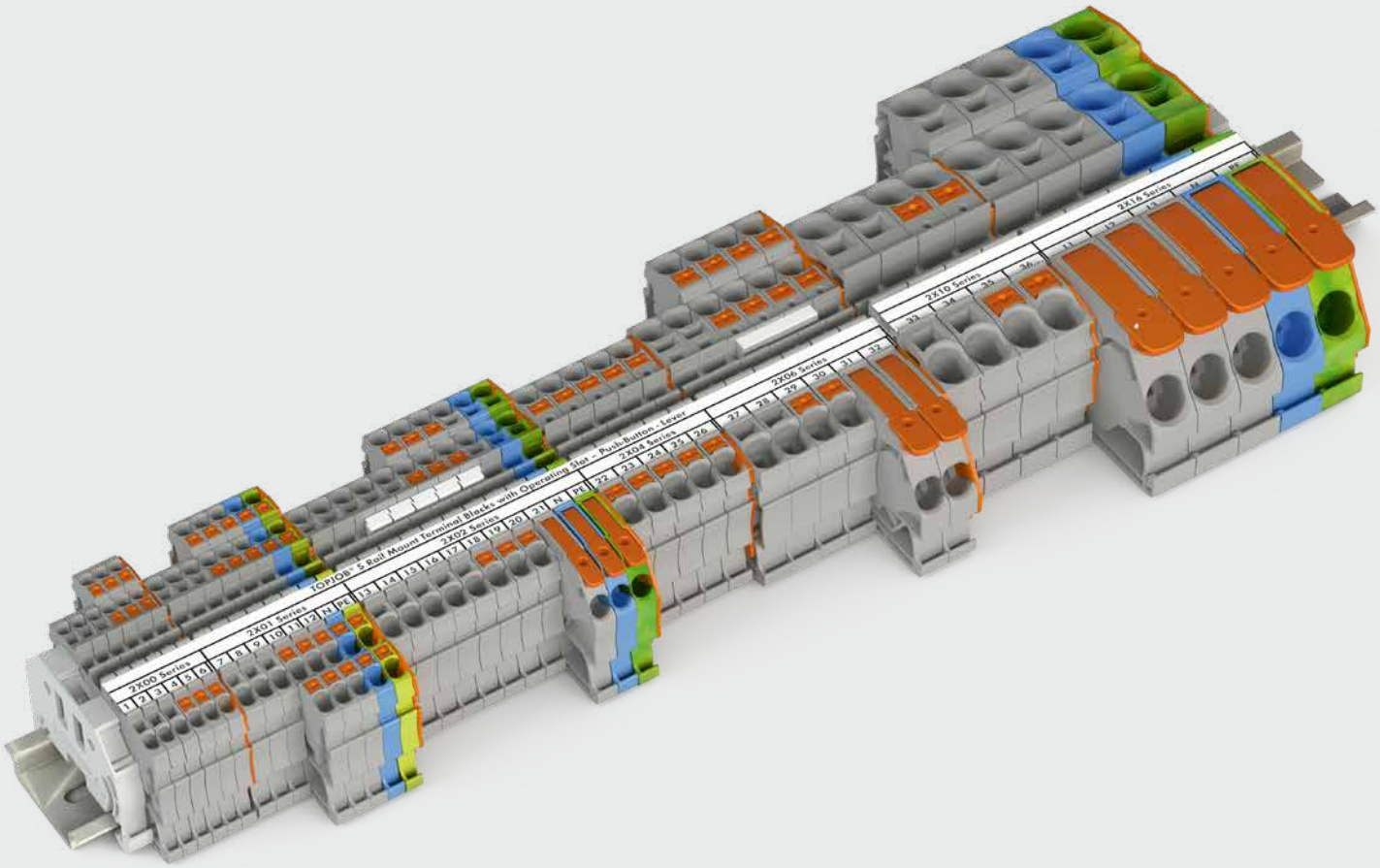
WAGO TOPJOB® S
Rail-Mount Terminal Block Systems

Edition 2025/1



WAGO Full Line Catalogs

WAGO Installation Connectors

- Splicing Connectors with Levers
- Inline Splicing Connectors with Levers
- Lighting Connectors
- PUSH WIRE® Splicing Connectors
- PUSH WIRE® Inline Splicing Connectors
- Luminaire Disconnect Connectors
- Gelboxes for Splicing Connectors
- Junction Box
- Cable Repair Set
- Splicing Connector Sets
- Accessories and Tools

WAGO TOPJOB® S Rail-Mount Terminal Block Systems

- Rail-Mount Terminal Blocks TOPJOB® S
- Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM
- Installation Rail-Mount Terminal Blocks TOPJOB® S
- Miniature Rail-Mount Terminal Blocks TOPJOB® S
- High-Current Rail-Mount Terminal Blocks
- Accessories and Tools

WAGO Rail-Mount Terminal Blocks Classic

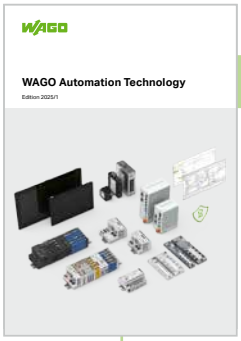
- Rail-Mount Terminal Blocks Classic
- Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®-SYSTEM
- Patchboard Systems
- Busbar Terminal Blocks
- Rail-Mount Terminal Blocks Mini
- Modular Terminal Blocks and WAGO Terminal Strips
- Chassis-Mount Terminal Strips
- Field-Wiring Terminal Blocks

WAGO PCB Terminal Blocks an Connectors

- PCB Terminal Blocks (THT; THR; SMD)
- *MULTI CONNECTION SYSTEM (MCS)*
- *picoMAX®; picoMAX® eCom*
- Pluggable PCB Terminal Blocks
- Feedthrough Terminal Strips
- Special Connectors
- Modulare Empty Housing
- Accessories and Tools

WAGO Pluggable Connection System *WINSTA®*

- Pluggable Connectors
- Snap-In Device Connectors
- Pluggable PCB Connectors
- Distribution Connectors
- Cable Assemblies
- Flat Cable Systems
- Distribution Boxes
- Accessories and Tools



WAGO Automation Technology

- Solutions & Software
- Operating & Monitoring
- Controllers, Edge Devices
- Modular I/O-SYSTEM IP20, I/O-SYSTEM IP67
- Industrial Switches
- Radio Technology
- IP67 Sensor/Actuator Boxes, IP67 Cables and Connectors

WAGO Interface Electronics

- Coupler Relays
- Solid-Stae Relays
- Signal Conditioners and Isolation Amplifiers
- Energy Measurement Technology
- System Wiring
- Component Modules
- Empty Housing
- Protective Devices and Protective Electronics
- Accessories and Tools

WAGO Power Supply Systems

- Power Supplies; 1-Phase
- Power Supplies; 3-Phase
- Special Supplies
- Circuit Protection
- DC/DC Converters
- UPS-Chargerand Controllers and Capacitive Buffer Modules
- Redundancy Modules
- Energy Measurement Technology
- Potential Distribution
- Accessories and Tools

WAGO Marking

- Thermal Transfer Smart Printer
- Digital Engineering – Smart Data
- Products for the Smart Printer
- Printed Products
- Plain Products
- Marker Carries

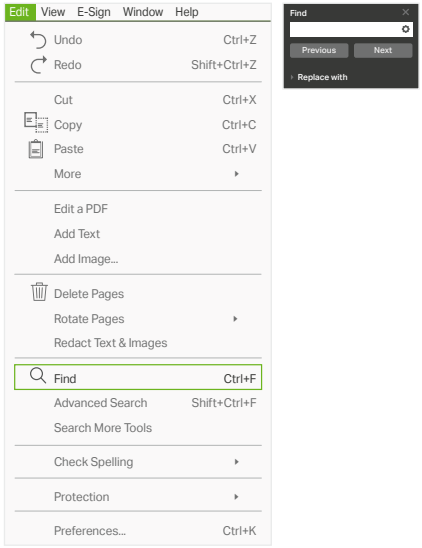
About This Catalog

Our digital catalogs provide several search and navigation features to help you quickly find the information you need. This page introduces the key functions of the catalog.

Searching the Catalog

To search for specific terms within the catalog, follow these steps:

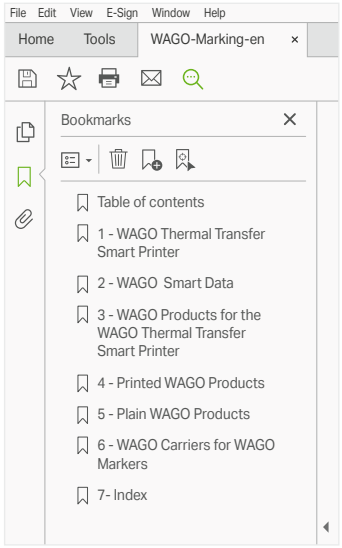
- Open the search dialog via **Edit > Find** or by clicking the **magnifying glass icon**. Alternatively, use the **Ctrl + F** keyboard shortcut.
- Enter your search term in the search field.
- Click **Next** to move to the next search result.



Navigating with Bookmarks

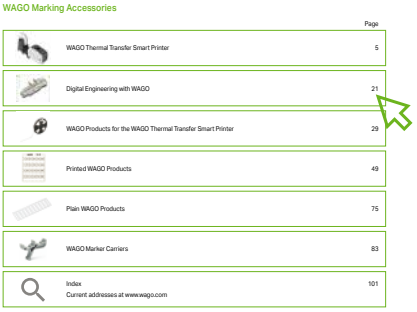
This PDF includes bookmarks to help you quickly and easily find specific sections. With a single click, you can jump directly to a chapter in the catalog.

- Open the bookmark panel by clicking the **bookmark icon.**
- To navigate to a chapter, click the relevant bookmark in the bookmark panel. The corresponding catalog page will then be displayed.



Navigating with the Table of Contents

Our table of contents includes clickable page numbers, allowing you to jump directly to the corresponding catalog page.



You can also find additional clickable page numbers in the selection guides and the item number index.

Links

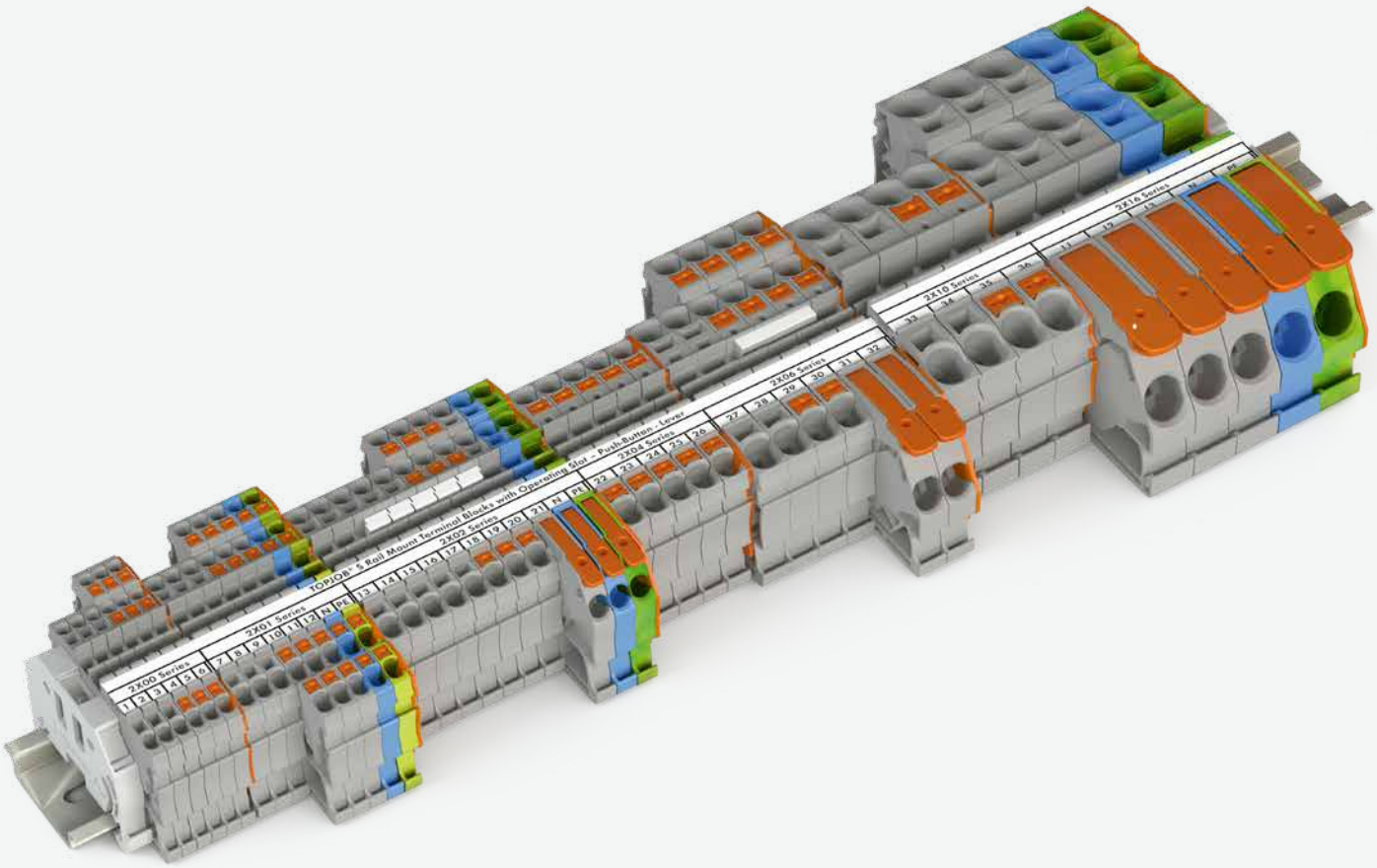
To help you access additional information easily, this catalog includes links to various websites. These links may provide further product details, installation notes or quick access to important documents such as data sheets.

One example is our **item numbers**, which contain links to the corresponding product detail pages on our website. Simply click an item number to open the relevant product detail page.

You can identify links in this catalog by the pre-sence of a URL in the link text (e.g., www.wago.com). In most cases, links are also underlined for easy recognition.

WAGO Rail-Mount Terminal Blocks TOPJOB® S

			Page
	WAGO Rail-Mount Terminal Blocks TOPJOB® S	Push-in CAGE CLAMP® 1 … 16 (25 “f-st”) mm² / 16 … 4 AWG for DIN-35 rail	2
	WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM	Push-in CAGE CLAMP® 1 … 2.5 (4) mm² / 16 … 12 AWG for DIN-35 rail	338
	WAGO Installation Rail-Mount Terminal Blocks TOPJOB® S	Push-in CAGE CLAMP® 1 … 4 (6) mm² / 16 … 10 AWG for DIN-35 rail	402
	WAGO Miniature Rail-Mount Terminal Blocks TOPJOB® S	Push-in CAGE CLAMP® 0.14 … 2.5 (4) mm² / 24 … 12 AWG for DIN-35 rail	458
	WAGO High-Current Rail-Mount Terminal Blocks	POWER CAGE CLAMP 35 … 185 mm² / 2 AWG … 350 kcmil, 1500 V nominal voltage, for DIN-35 rail	480
	WAGO Accessories and WAGO Tools		504
	Technical Section		610
	Indexes		662

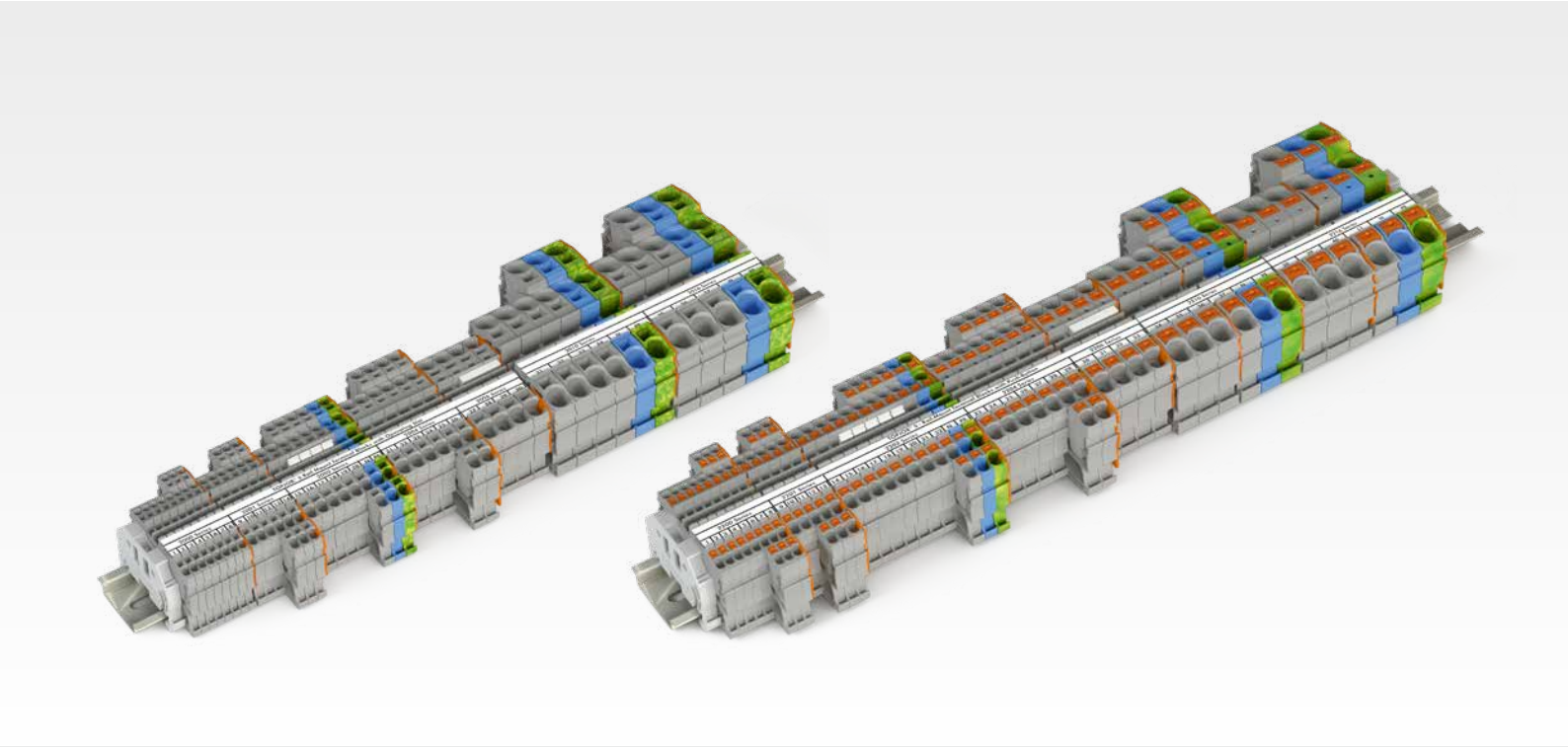


WAGO Rail-Mount Terminal Blocks TOPJOB® S

WAGO Rail-Mount Terminal Blocks TOPJOB® S

			Page
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Levers and Push-in CAGE CLAMP®	2102 … 2116 Series	8
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Levers and Push-Buttons 0.25 … 16 (25 “f-st”) mm² (22 … 4 AWG)	2102 … 2116 Series	20
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Push-Buttons 0.14 … 16 (25 “f-st”) mm² (24 … 4 AWG)	2200 … 2216 Series	30
	Distribution Terminal Blocks TOPJOB® S ▸ with/without Push-Button 1 x 6 (10) mm² / 8 AWG and 6 x 1.5 (2.5) mm² / 14 AWG	2206/2006 Series	46
	Through Terminal Blocks, Ground Conductor Terminal Blocks and Shield Conductor Terminal Blocks 0.14 … 16 (25 “f-st”) mm² (24 … 4 AWG)	2000 … 2016 Series	58
	Multilevel Rail-Mount Terminal Blocks ▸ with/without Push-Buttons 1 (1.5) mm² (16 AWG) and 2.5 (4) mm² (12 AWG)	2202/2000/2002 Series	88
	Disconnect/Test Terminal Blocks, Fuse Terminal Blocks and Through Terminal Blocks ▸ with/without Push-Buttons 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2202/2002 Series	156
	Fused Disconnect Terminal Blocks with a Pivoting Fuse Holder ▸ with/without Push-Buttons 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2202/2002 Series	166
	Disconnect Terminal Blocks, Ground Conductor Disconnect Terminal Blocks and Carrier Terminal Blocks ▸ with/without Push-Buttons 0.5 … 6 (10) mm² (20 … 8 AWG)	2206/2006 Series	208
	Disconnect/Test Terminal Blocks ▸ for Current and Voltage Transformer Circuits 0.5 … 6 (10) mm² (20 … 8 AWG)	2007 Series	246
	Multilevel Disconnect Terminal Blocks, Multilevel Fused Disconnect Terminal Blocks with a Pivoting Fuse Holder, Multilevel Carrier Terminal Blocks 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2002 Series	250
	Sensor Terminal Blocks and Actuator Terminal Blocks 0.14 … 1 (1.5) mm² (24 … 16 AWG)	2000/2020 Series	268
	Fuse Plugs on Carrier Terminal Blocks	2004/2006 Series	306
	Diode Terminal Blocks and LED Terminal Blocks 0.25 … 4 (6) mm² (22 … 10 AWG)	2001/2002/2004 Series	314
	Multilevel Diode Terminal Blocks and LED Terminal Blocks 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2002 Series	326
	Diode Modules, LED Modules and Empty Component Plugs Housing	2002 Series	336

Three Wiring Types = One Family

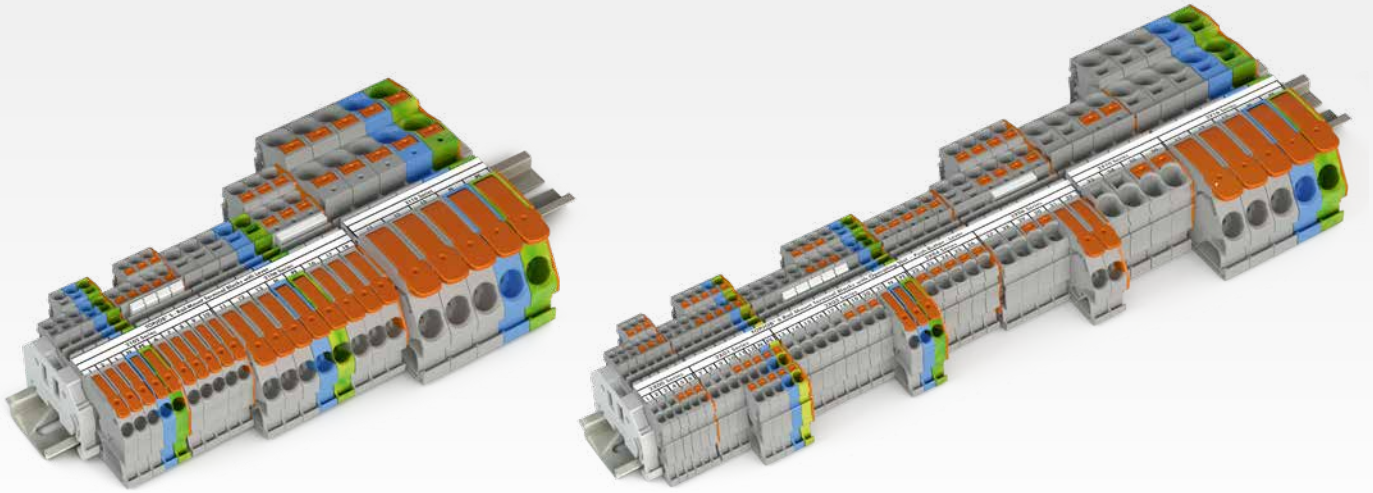


Operating Slot

- The operating tool remains in the operating slot until termination is complete
- The clamping unit is marked by the inserted operating tool
- The conductor entry is held open for hands-free wiring

Push-Button

- Use any common tool to open the clamping unit via the push-button
- Intuitive operation – orange color highlights the push-button



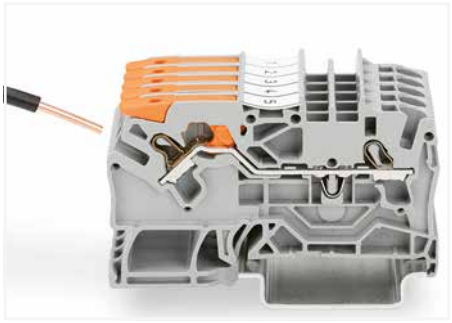
Lever

- Simple and intuitive termination by hand
- Tool-free termination and removal of all conductor types
- The lever engages and keeps the clamping point open, freeing hands for wiring
- Lever position clearly indicates if the clamping point is open or closed
- Easy connection of difficult-to-bend conductors via side-entry conductor insertion

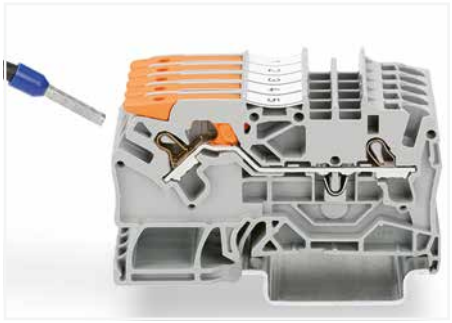
One Range

- All three actuation variants can be combined with each other
- Push-in termination of solid, stranded and ferruled conductors for all variants
- Marking strips and WMB markers provide continuous marking possibilities
- One existing range of jumpers for all three variants
- Test options for all variants

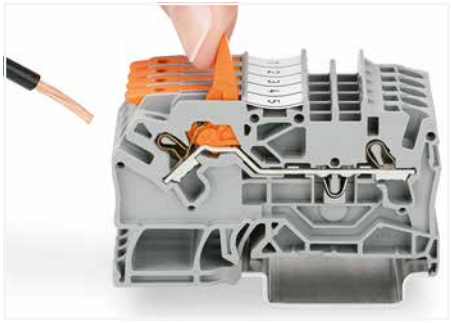
Rail-Mount Terminal Blocks TOPJOB® S; with Levers and Push-in CAGE CLAMP®
2102 to 2116 Series
Description and Installation



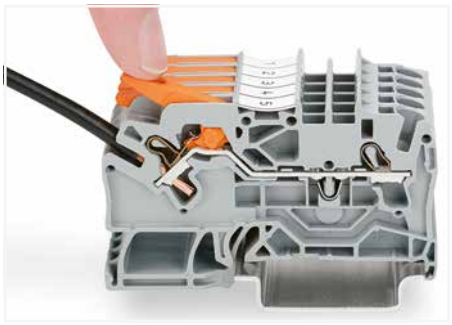
Push-in termination of solid conductors



Push-in termination of fine-stranded conductors with ferrules

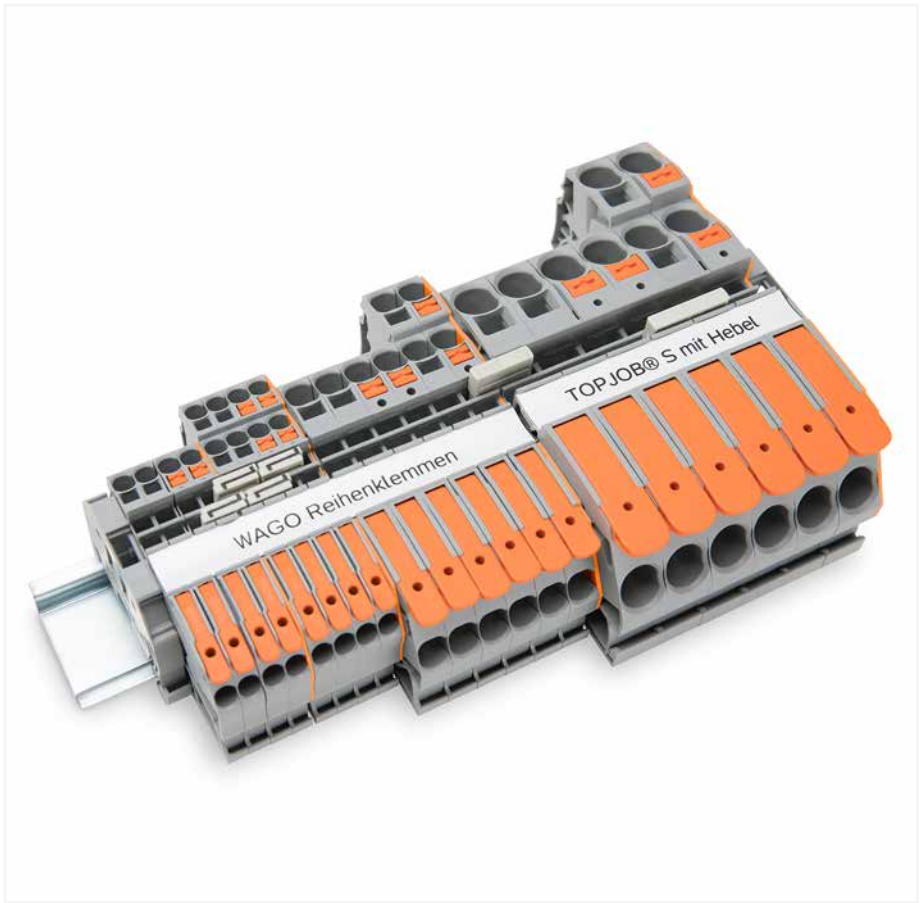


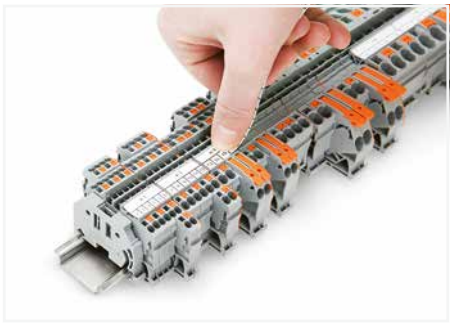
Pull the lever up until it stops, then connect the fine-stranded conductor.



Push the lever back down – done!

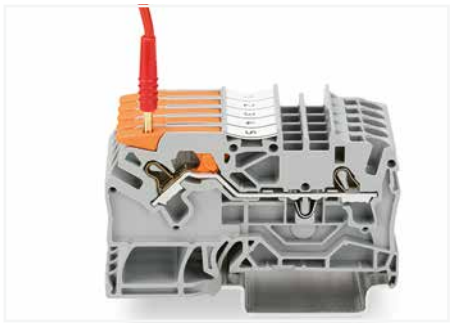
Insert push-in type jumper bar and push down until it hits backstop.





Snapping a marking strip into the marker slot.

Snapping a marking strip into the marker slot.



Testing with a 2 mm Ø test plug (max. 42 V).

Rail-Mount Terminal Blocks TOPJOB® S; with Push-Buttons and Push-in CAGE CLAMP® 2200 to 2216 Series

Description and Installation

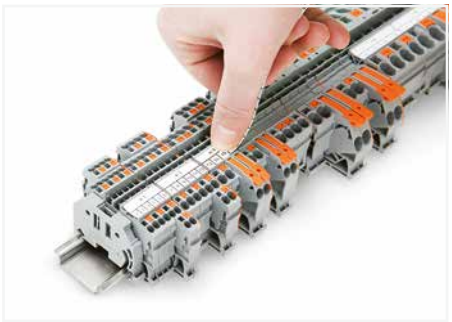
Push-in termination of solid and ferruled conductors

Insert fine-stranded conductors via operating tool.

Removing all conductors via operating tool.

Insert push-in type jumper bar and push down until it hits backstop.

Commoning with step-down jumpers.

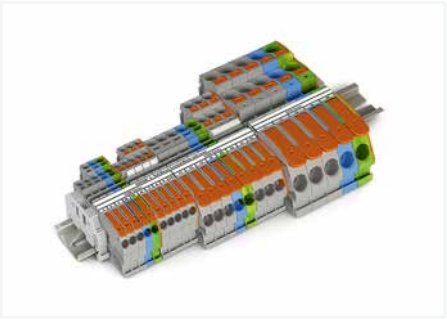


Snapping a marking strip into the marker slot.

Snapping a marking strip into the marker slot.

Testing with a 2 mm Ø test plug (max. 42 V).

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2102 Series
Lever ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512, 514
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

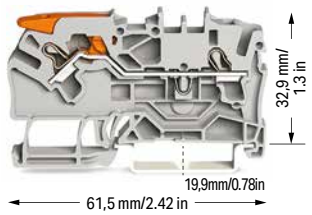
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2102 Series

Lever ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2102-1201

Through terminal block

Color	Item No.	PU
gray	2102-1201	50
blue	2102-1204	50

Ground terminal block ▸ Color: green-yellow

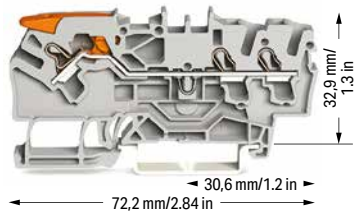
Color	Item No.	PU
green-yellow	2102-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2102-1292	100 (25)
gray	2102-1291	100 (25)

Clamping units: 3



2102-1301

Through terminal block

Color	Item No.	PU
gray	2102-1301	50
blue	2102-1304	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2102-1307	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2102-1392	100 (25)
gray	2102-1391	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

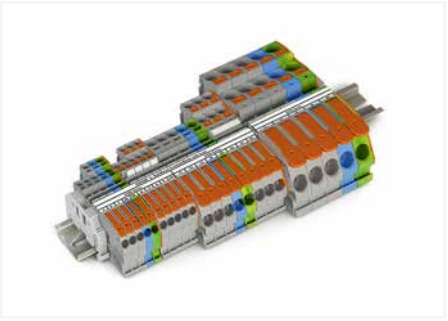
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2104 Series
Lever ▸ Operating tool ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	32 A	-	-
Current at conductor cross-section (max.) mm²	40 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 532
Tool	Page 590

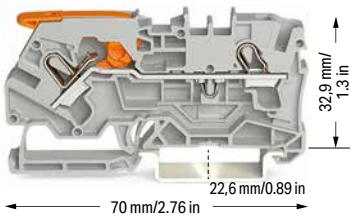
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2104 Series
Lever ▸ Operating tool ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2104-1201

Through terminal block

Color	Item No.	PU
gray	2104-1201	50
blue	2104-1204	50

Ground terminal block ▸ Color: green-yellow

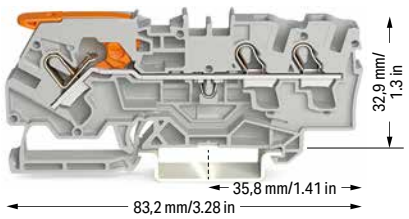
Color	Item No.	PU
green-yellow	2104-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2104-1292	100 (25)
gray	2104-1291	100 (25)

Clamping units: 3



2104-1301

Through terminal block

Color	Item No.	PU
gray	2104-1301	50
blue	2104-1304	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2104-1307	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2104-1392	100 (25)
gray	2104-1391	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

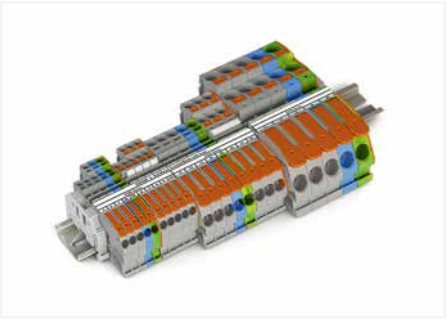
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2106 Series
Lever ▸ Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2



Electrical data				
Ratings per		**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	41 A	-	-	
Current at conductor cross-section (max.) mm²	55 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage		600 V		
Rated current	50 A	50 A	5 A	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	45 A	45 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

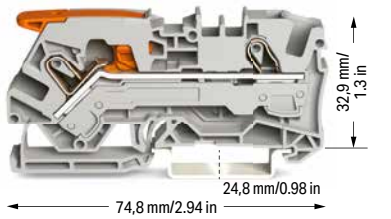
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2106 Series
Lever ▸ Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2

Clamping units: 2



2106-1201

Through terminal block

Color	Item No.	PU
gray	2106-1201	25
blue	2106-1204	25

Ground terminal block ▸ Color: green-yellow

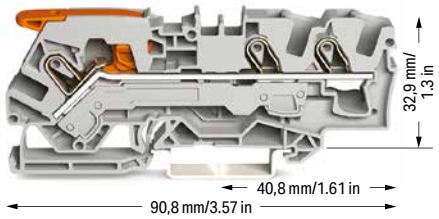
Color	Item No.	PU
green-yellow	2106-1207	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2106-1292	100 (25)
gray	2106-1291	100 (25)

Clamping units: 3



2106-1301

Through terminal block

Color	Item No.	PU
gray	2106-1301	25
blue	2106-1304	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2106-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2106-1392	100 (25)
gray	2106-1391	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

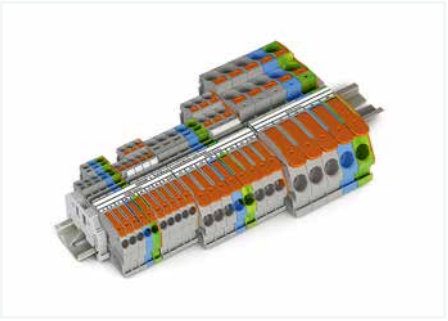
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2110 Series
Lever ▸ Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	57 A	-	-
Current at conductor cross-section (max.) mm²	74 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Connectable conductor materials	Copper
Nominal cross-section	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	4 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 520
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

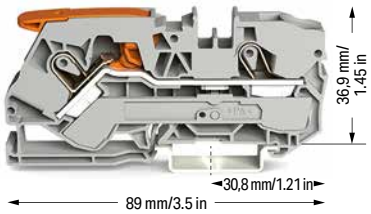
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2110 Series
Lever ▸ Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2

Clamping units: 2



2110-1201

Through terminal block

Color	Item No.	PU
gray	2110-1201	25
blue	2110-1204	25

Ground terminal block ▸ Color: green-yellow

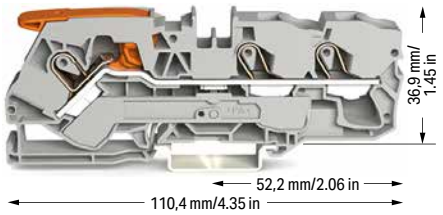
Color	Item No.	PU
green-yellow	2110-1207	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2110-1292	100 (25)
gray	2110-1291	100 (25)

Clamping units: 3



2110-1301

Through terminal block

Color	Item No.	PU
gray	2110-1301	25
blue	2110-1304	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2110-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2110-1392	100 (25)
gray	2110-1391	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

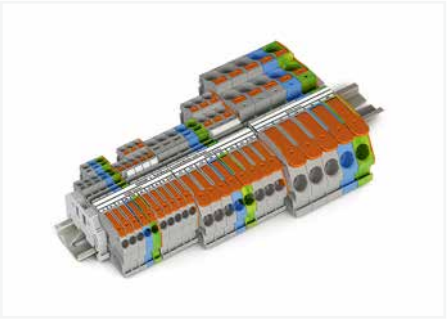
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2010-402	25
1-2-3	2010-403	25
1-2-3-4	2010-404	25
1-2-3-4-5	2010-405	25
1-3	2010-433	25
1-4	2010-434	25
1-5	2010-435	25

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2116 Series
Lever ▸ Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2



Electrical data				
15 mm high DIN-35 rails shall be used for a current load higher than 76 A!				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	76 A	-	-	
Current at conductor cross-section (max.) mm²	90 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	2.5 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521, 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2116 Series
Lever ▸ Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 2

2116-1201

Through terminal block

Color	Item No.	PU
gray	2116-1201	20
blue	2116-1204	20

Ground terminal block ▸ Color: green-yellow

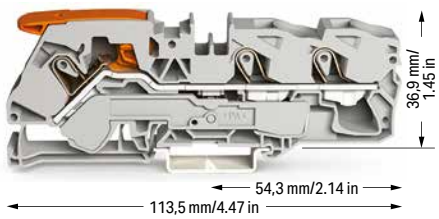
Color	Item No.	PU
green-yellow	2116-1207	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2116-1292	100 (25)
gray	2116-1291	100 (25)

Clamping units: 3



2116-1301

Through terminal block

Color	Item No.	PU
gray	2116-1301	20
blue	2116-1304	20

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2116-1307	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2116-1392	100 (25)
gray	2116-1391	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Lever ▶ Operating tool ▶ 16 mm² ▶ Width: 61 mm ▶ Number of jumper slots: 10 ▶ Clamping units: 10

1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	76 A	-	-
Current at conductor cross-section (max.) mm²	90 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	85 A	85 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	85 A	85 A	-

Electrical data	
Ratings per	ATEX: PTB 18 ATEX 1012 U / IECEx: PTB 18.0019U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	76 A
Rated current (Ex e II) with jumper	65 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	2.5 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Mechanical data	
Design	horizontal type

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Jumper	Page 521
Marking	Page 554
Protective warning marker	Page 537
Test and measurement	Page 533
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Lever ▶ Operating tool ▶ 16 mm² ▶ Width: 61 mm ▶ Number of jumper slots: 10 ▶ Clamping units: 10

2116-1201/605-038

Color: gray/blue/green-yellow		
Color	Item No.	PU
◯ gray/blue/green-yellow	2116-1201/605-038	1

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
◯ white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
◯ gray	2009-174	100 (25)

Testing tap

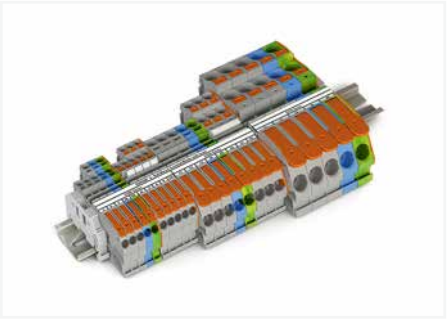
Color	Item No.	PU (SPU)
◯ gray	2009-182	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2102 Series
Lever ▸ Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

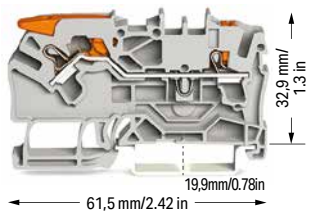
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2102 Series
Lever ▸ Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2102-5201

Through terminal block

Color	Item No.	PU
gray	2102-5201	50
blue	2102-5204	50

Ground terminal block ▸ Color: green-yellow

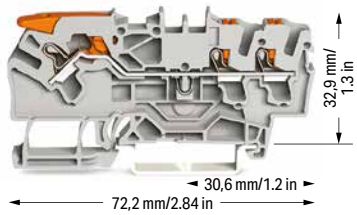
Color	Item No.	PU
green-yellow	2102-5207	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2102-1292	100 (25)
gray	2102-1291	100 (25)

Clamping units: 3



2102-5301

Through terminal block

Color	Item No.	PU
gray	2102-5301	50
blue	2102-5304	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2102-5307	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2102-1392	100 (25)
gray	2102-1391	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

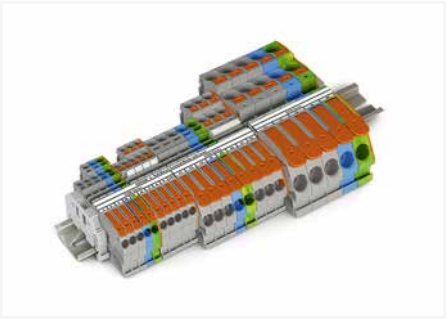
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2104 Series
Lever ▸ Push-button ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2

1



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	32 A	-	-
Current at conductor cross-section (max.) mm²	40 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 532
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

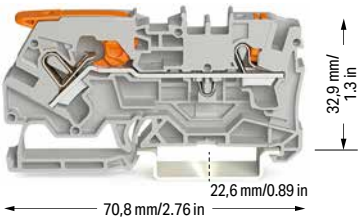
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2104 Series

Lever ▸ Push-button ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2104-5201

Through terminal block

Color	Item No.	PU
gray	2104-5201	50
blue	2104-5204	50

Ground terminal block ▸ Color: green-yellow

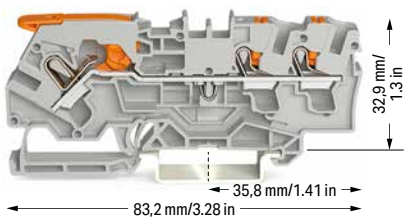
Color	Item No.	PU
green-yellow	2104-5207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2104-1292	100 (25)
gray	2104-1291	100 (25)

Clamping units: 3



2104-5301

Through terminal block

Color	Item No.	PU
gray	2104-5301	50
blue	2104-5304	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2104-5307	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2104-1392	100 (25)
gray	2104-1391	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

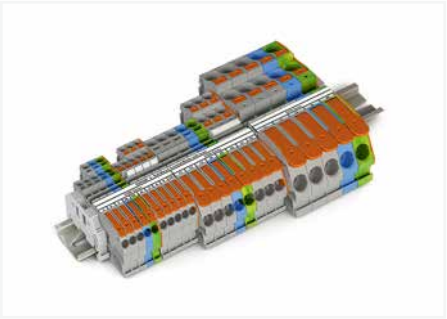
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2106 Series
Lever ▸ Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2



Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	41 A	-	-	
Current at conductor cross-section (max.) mm²	55 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage		600 V		
Rated current	50 A	50 A	5 A	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	45 A	45 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2106 Series

Lever ▸ Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2

Clamping units: 2

2106-5201

Through terminal block

Color	Item No.	PU
gray	2106-5201	25
blue	2106-5204	25

Ground terminal block ▸ Color: green-yellow

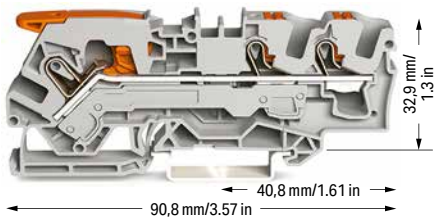
Color	Item No.	PU
green-yellow	2106-5207	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2106-1292	100 (25)
gray	2106-1291	100 (25)

Clamping units: 3



2106-5301

Through terminal block

Color	Item No.	PU
gray	2106-5301	25
blue	2106-5304	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2106-5307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2106-1392	100 (25)
gray	2106-1391	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

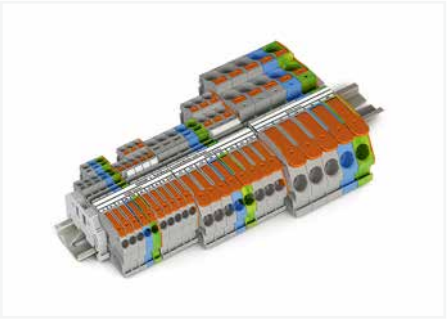
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2110 Series
Lever ▸ Push-button ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	57 A	-	-
Current at conductor cross-section (max.) mm²	74 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Connectable conductor materials	Copper
Nominal cross-section	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	4 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 520
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

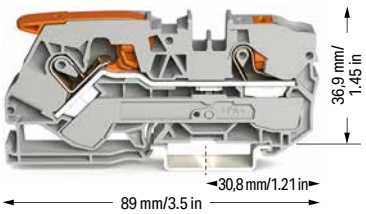
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2110 Series
Lever ▸ Push-button ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2

Clamping units: 2



2110-5201

Through terminal block

Color	Item No.	PU
gray	2110-5201	25
blue	2110-5204	25

Ground terminal block ▸ Color: green-yellow

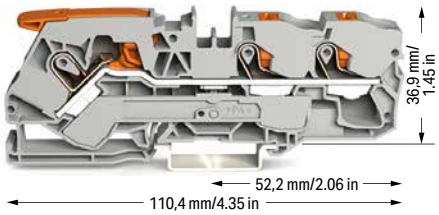
Color	Item No.	PU
green-yellow	2110-5207	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2110-1292	100 (25)
gray	2110-1291	100 (25)

Clamping units: 3



2110-5301

Through terminal block

Color	Item No.	PU
gray	2110-5301	25
blue	2110-5304	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2110-5307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2110-1392	100 (25)
gray	2110-1391	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

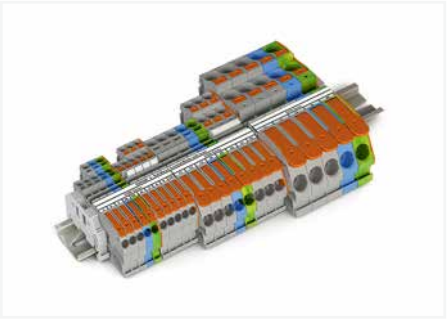
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2010-402	25
1-2-3	2010-403	25
1-2-3-4	2010-404	25
1-2-3-4-5	2010-405	25
1-3	2010-433	25
1-4	2010-434	25
1-5	2010-435	25

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2116 Series
Lever ▸ Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2



Electrical data				
15 mm high DIN-35 rails shall be used for a current load higher than 76 A!				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	76 A	-	-	
Current at conductor cross-section (max.) mm²	90 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	2.5 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521, 525
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2116 Series
Lever ▸ Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 2

2116-5201

Through terminal block

Color	Item No.	PU
gray	2116-5201	20
blue	2116-5204	20

Ground terminal block ▸ Color: green-yellow

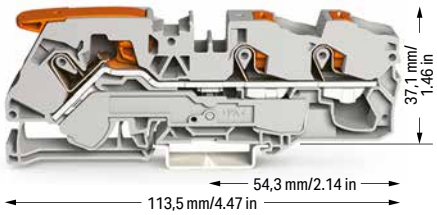
Color	Item No.	PU
green-yellow	2116-5207	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2116-1292	100 (25)
gray	2116-1291	100 (25)

Clamping units: 3



2116-5301

Through terminal block

Color	Item No.	PU
gray	2116-5301	20
blue	2116-5304	20

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2116-5307	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2116-1392	100 (25)
gray	2116-1391	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

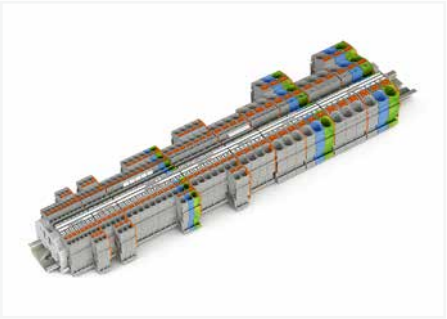
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 529
Tool	Page 590

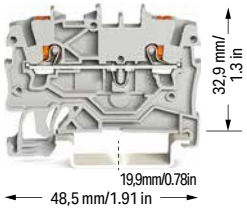
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 2

Clamping units: 2



2200-1201

Through terminal block

Color	Item No.	PU
gray	2200-1201	100
blue	2200-1204	100

Ground terminal block ▸ Color: green-yellow

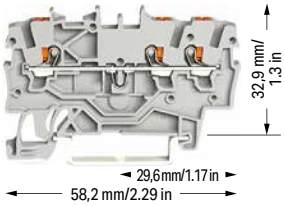
Color	Item No.	PU
green-yellow	2200-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1292	100 (25)
gray	2000-1291	100 (25)

Clamping units: 3



2200-1301

Through terminal block

Color	Item No.	PU
gray	2200-1301	100
blue	2200-1304	100

Ground terminal block ▸ Color: green-yellow

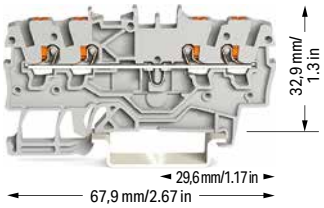
Color	Item No.	PU
green-yellow	2200-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1392	100 (25)
gray	2000-1391	100 (25)

Clamping units: 4



2200-1401

Through terminal block

Color	Item No.	PU
gray	2200-1401	100
blue	2200-1404	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2200-1407	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1492	100 (25)
gray	2000-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

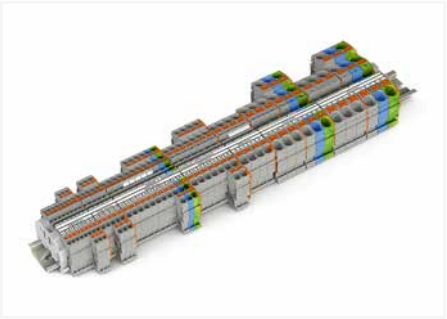
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2201 Series
Push-button ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	17.5 A	-	-
Current at conductor cross-section (max.) mm²	24 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 510
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 530
Tool	Page 590

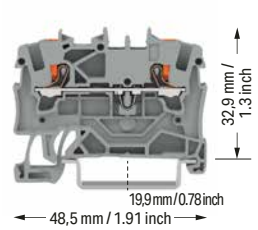
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2201 Series
Push-button ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2201-1201

Through terminal block

Color	Item No.	PU
gray	2201-1201	100
blue	2201-1204	100
orange	2201-1202	100
red	2201-1203	100
black	2201-1205	100
yellow	2201-1206	100
light gray	2201-1209	100
dark gray/yellow	2201-1201/000-053	100

Ground terminal block ▸ Color: green-yellow

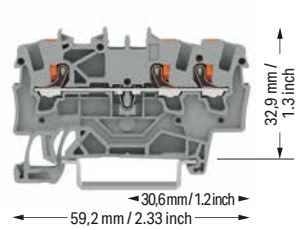
Color	Item No.	PU
green-yellow	2201-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3



2201-1301

Through terminal block

Color	Item No.	PU
gray	2201-1301	100
blue	2201-1304	100
orange	2201-1302	100
red	2201-1303	100
black	2201-1305	100
yellow	2201-1306	100
light gray	2201-1309	100
dark gray/yellow	2201-1301/000-053	100

Ground terminal block ▸ Color: green-yellow

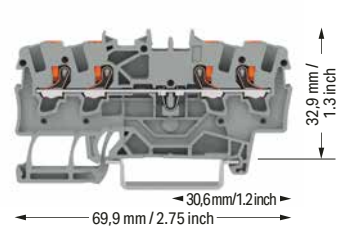
Color	Item No.	PU
green-yellow	2201-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2201-1401

Through terminal block

Color	Item No.	PU
gray	2201-1401	100
blue	2201-1404	100
orange	2201-1402	100
red	2201-1403	100
black	2201-1405	100
yellow	2201-1406	100
light gray	2201-1409	100
dark gray/yellow	2201-1401/000-053	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2201-1407	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

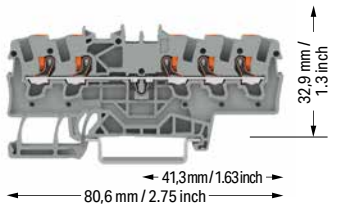
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2201 Series
Push-button ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2

Clamping units: 5



2201-1501

Through terminal block		
Color	Item No.	PU
gray	2201-1501	20
orange	2201-1502	20
red	2201-1503	20
blue	2201-1504	20
black	2201-1505	20
yellow	2201-1506	20
white	2201-1508	20
light gray	2201-1509	20

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2201-1507	20

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 3.7 mm; snap-on type

Color	Item No.	PU
orange	2002-1596	20
gray	2002-1595	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

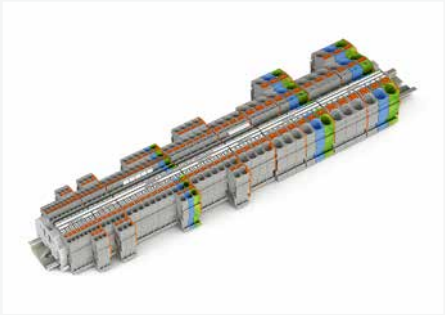
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

1



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

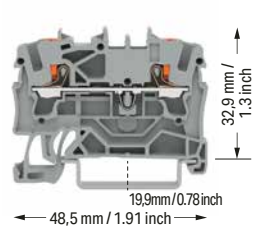
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2202-1201

Through terminal block

Color	Item No.	PU
gray	2202-1201	100
blue	2202-1204	100
orange	2202-1202	100
red	2202-1203	100
black	2202-1205	100
yellow	2202-1206	100
light gray	2202-1209	100
dark gray/yellow	2202-1201/000-053	100

Ground terminal block ▸ Color: green-yellow

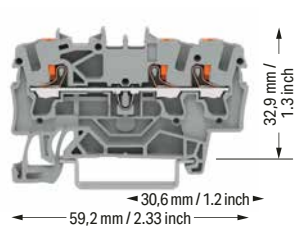
Color	Item No.	PU
green-yellow	2202-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3



2202-1301

Through terminal block

Color	Item No.	PU
gray	2202-1301	100
blue	2202-1304	100
orange	2202-1302	100
red	2202-1303	100
black	2202-1305	100
yellow	2202-1306	100
light gray	2202-1309	100
dark gray/yellow	2202-1301/000-053	100

Ground terminal block ▸ Color: green-yellow

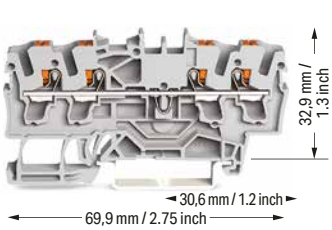
Color	Item No.	PU
green-yellow	2202-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2202-1401

Through terminal block

Color	Item No.	PU
gray	2202-1401	100
blue	2202-1404	100
orange	2202-1402	100
red	2202-1403	100
black	2202-1405	100
yellow	2202-1406	100
light gray	2202-1409	100
dark gray/yellow	2202-1401/000-053	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2202-1407	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 3

1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	1 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 3

2202-6301

Through terminal block		
Color	Item No.	PU
gray	2202-6301	100
blue	2202-6304	100
orange	2202-6302	100
red	2202-6303	100
black	2202-6305	100
yellow	2202-6306	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2202-6307	100

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 0 ▸ Clamping units: 4

1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	1 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

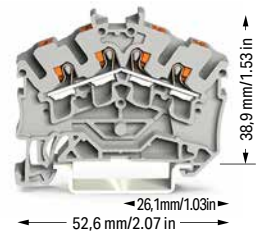
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 0 ▸ Clamping units: 4



2202-6401

Through terminal block		
Color	Item No.	PU
gray	2202-6401	100
blue	2202-6404	100
orange	2202-6402	100
red	2202-6403	100
black	2202-6405	100
yellow	2202-6406	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2202-6407	100

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

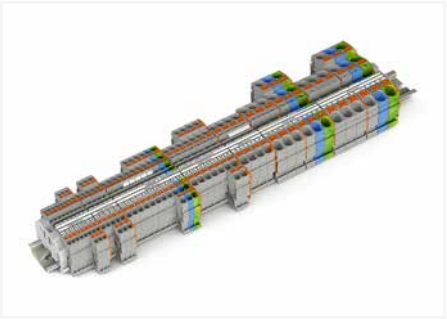
Color	Item No.	PU (SPU)
orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2204 Series
Push-button ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	32 A	-	-
Current at conductor cross-section (max.) mm²	41 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 532
Tool	Page 590

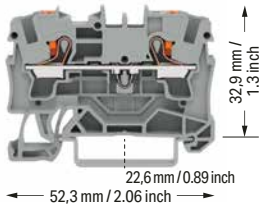
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2204 Series
Push-button ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2204-1201

Through terminal block

Color	Item No.	PU
gray	2204-1201	50
blue	2204-1204	50
orange	2204-1202	50
red	2204-1203	50
black	2204-1205	50
yellow	2204-1206	50
light gray	2204-1209	50
dark gray/yellow	2204-1201/000-053	50

Ground terminal block ▸ Color: green-yellow

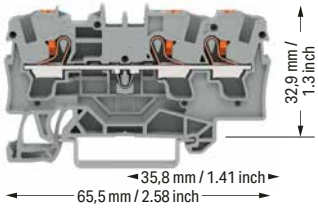
Color	Item No.	PU
green-yellow	2204-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1292	100 (25)
gray	2004-1291	100 (25)

Clamping units: 3



2204-1301

Through terminal block

Color	Item No.	PU
gray	2204-1301	50
blue	2204-1304	50
orange	2204-1302	50
red	2204-1303	50
black	2204-1305	50
yellow	2204-1306	50
light gray	2204-1309	50
dark gray/yellow	2204-1301/000-053	50

Ground terminal block ▸ Color: green-yellow

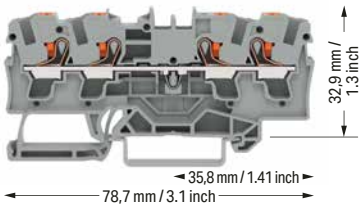
Color	Item No.	PU
green-yellow	2204-1307	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1392	100 (25)
gray	2004-1391	100 (25)

Clamping units: 4



2204-1401

Through terminal block

Color	Item No.	PU
gray	2204-1401	50
blue	2204-1404	50
orange	2204-1402	50
red	2204-1403	50
black	2204-1405	50
yellow	2204-1406	50
light gray	2204-1409	50
dark gray/yellow	2204-1401/000-053	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2204-1407	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1492	100 (25)
gray	2004-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

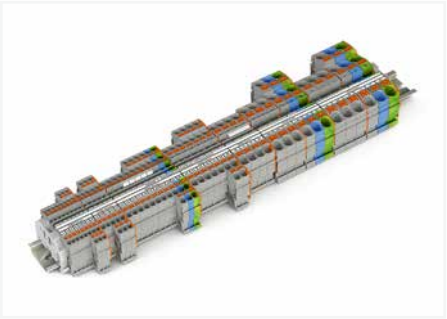
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2



Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	41 A	-	-	
Current at conductor cross-section (max.) mm²	57 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	50 A	50 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	50 A	50 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

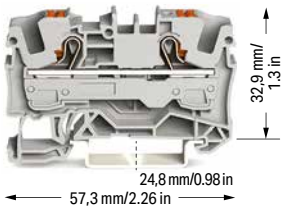
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2

Clamping units: 2



2206-1201

Through terminal block

Color	Item No.	PU
gray	2206-1201	50
blue	2206-1204	50
red	2206-1203	50
black	2206-1205	50
dark gray/yellow	2206-1201/000-053	50

Ground terminal block ▸ Color: green-yellow

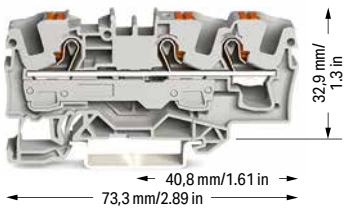
Color	Item No.	PU
green-yellow	2206-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1292	100 (25)
gray	2006-1291	100 (25)

Clamping units: 3



2206-1301

Through terminal block

Color	Item No.	PU
gray	2206-1301	25
blue	2206-1304	25
red	2206-1303	25
black	2206-1305	25
dark gray/yellow	2206-1301/000-053	25

Ground terminal block ▸ Color: green-yellow

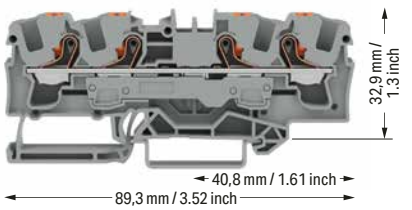
Color	Item No.	PU
green-yellow	2206-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1392	100 (25)
gray	2006-1391	100 (25)

Clamping units: 4



2206-1401

Through terminal block

Color	Item No.	PU
gray	2206-1401	25
blue	2206-1404	25
orange	2206-1402	25
red	2206-1403	25
black	2206-1405	25
dark gray/yellow	2206-1401/000-053	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2206-1407	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2006-1492	25
gray	2006-1491	25

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 9 mm ▸ Clamping units: 7

- **TOPJOB® S Distribution Terminal Block**
- Potential distribution up to 57 A and 800 V
- Can be combined with all TOPJOB® S Rail-Mount Terminal Blocks and all accessories

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	41 A	-	-
Current at conductor cross-section (max.) mm²	57 A	-	-

Connection data	
Connection type 1	Input
Connection technology	Push-in CAGE CLAMP®
Number of connection points	1
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Connection type	Output
Connection technology	Push-in CAGE CLAMP®
Number of connection points	6
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact Plating	Tin

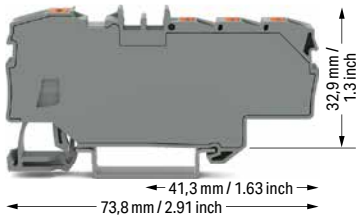
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 510
Marking	Page 554
Screwless end stop	Page 584
Terminal blocks	Page 33
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

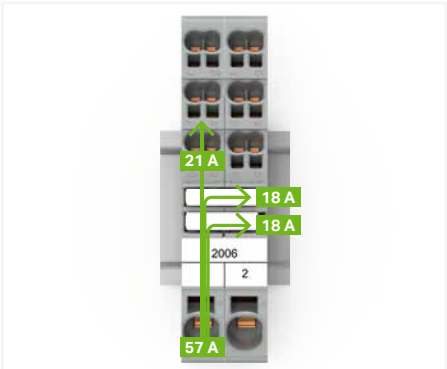
Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 9 mm ▸ Clamping units: 7

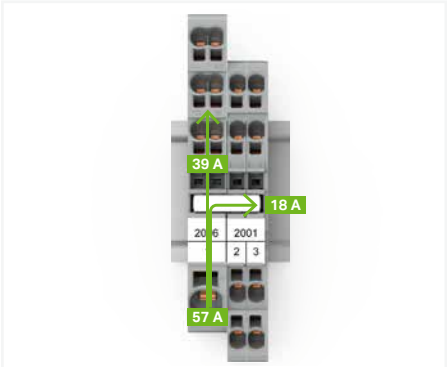


2206-8031

Distribution terminal block		
Color	Item No.	PU
gray	2206-8031	12
blue	2206-8034	12
orange	2206-8032	12
red	2206-8033	12
black	2206-8035	12
yellow	2206-8036	12
light gray	2206-8039	12
dark gray/yellow	2206-8031/000-053	12



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers
Note:
The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers
Note:
The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

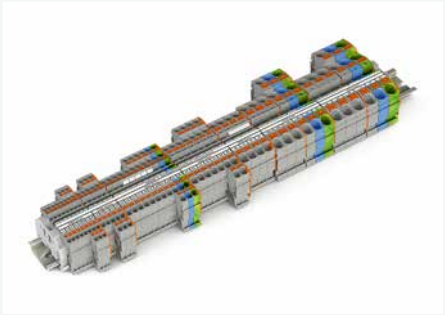
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2210 Series
Push-button ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	57 A	-	-
Current at conductor cross-section (max.) mm²	76 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	64 A	64 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Connectable conductor materials	Copper
Nominal cross-section	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	2.5 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 520
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2210 Series
Push-button ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2

Clamping units: 2

2210-1201

Through terminal block

Color	Item No.	PU
gray	2210-1201	25
blue	2210-1204	25
red	2210-1203	25
black	2210-1205	25
dark gray/yellow	2210-1201/000-053	25

Ground terminal block ▸ Color: green-yellow

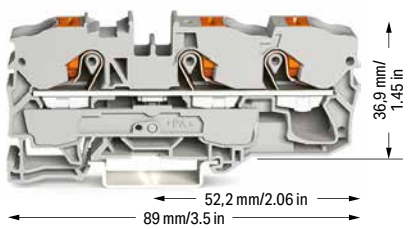
Color	Item No.	PU
green-yellow	2210-1207	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2010-1292	100 (25)
gray	2010-1291	100 (25)

Clamping units: 3



2210-1301

Through terminal block

Color	Item No.	PU
gray	2210-1301	25
blue	2210-1304	25
red	2210-1303	25
black	2210-1305	25
dark gray/yellow	2210-1301/000-053	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2210-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2010-1392	100 (25)
gray	2010-1391	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2010-402	25
1-2-3	2010-403	25
1-2-3-4	2010-404	25
1-2-3-4-5	2010-405	25
1-3	2010-433	25
1-4	2010-434	25
1-5	2010-435	25

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12.8 mm ▸ Clamping units: 7

- **TOPJOB® S Distribution Terminal Block**
- Potential distribution up to 90 A and 800 V
- Can be combined with all TOPJOB® S Rail-Mount Terminal Blocks and all accessories

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	76 A	-	-
Current at conductor cross-section (max.) mm²	90 A	-	-

Connection data	
Connection type 1	Input
Connection technology	Push-in CAGE CLAMP®
Number of connection points	1
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 10 … 6 AWG
Stranded conductor	0.5 … 6 mm² / 20 … 8 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Connection type	Output
Connection technology	Push-in CAGE CLAMP®
Number of connection points	6
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 16 … 10 AWG
Stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 16 … 12 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)

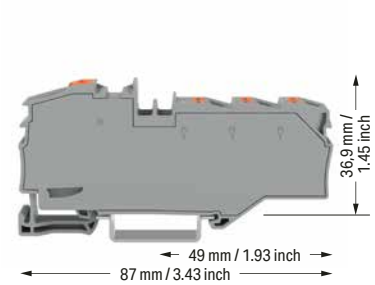
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 517
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

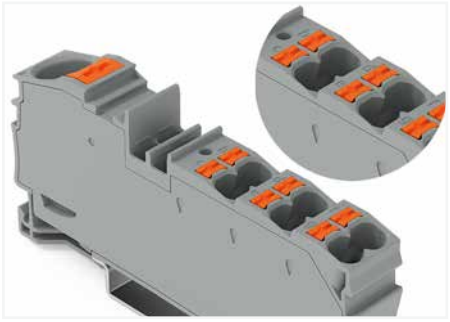
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12.8 mm ▸ Clamping units: 7



2216-8031



A clear marking of clamping units is molded in.

Distribution terminal block		
Color	Item No.	PU
gray	2216-8031	7
blue	2216-8034	7
orange	2216-8032	7
red	2216-8033	7
black	2216-8035	7
yellow	2216-8036	7
light gray	2216-8039	7
dark gray/yellow	2216-8031/000-053	7

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

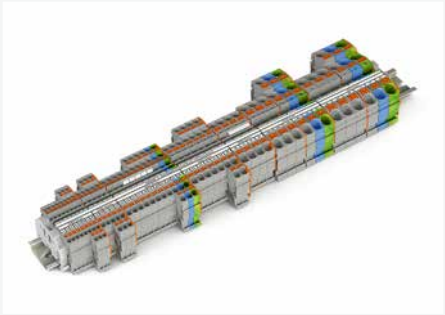
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2



Electrical data				
15 mm high DIN-35 rails shall be used for a current load higher than 76 A!				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	76 A	-	-	
Current at conductor cross-section (max.) mm²	90 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	2.5 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 2

2216-1201

Through terminal block

Color	Item No.	PU
gray	2216-1201	20
blue	2216-1204	20
red	2216-1203	20
black	2216-1205	20
dark gray/yellow	2216-1201/000-053	20

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2216-1207	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-1292	100 (25)
gray	2016-1291	100 (25)

Clamping units: 3

2216-1301

Through terminal block

Color	Item No.	PU
gray	2216-1301	20
blue	2216-1304	20
red	2216-1303	20
black	2216-1305	20
dark gray/yellow	2216-1301/000-053	20

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2216-1307	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-1392	100 (25)
gray	2016-1391	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

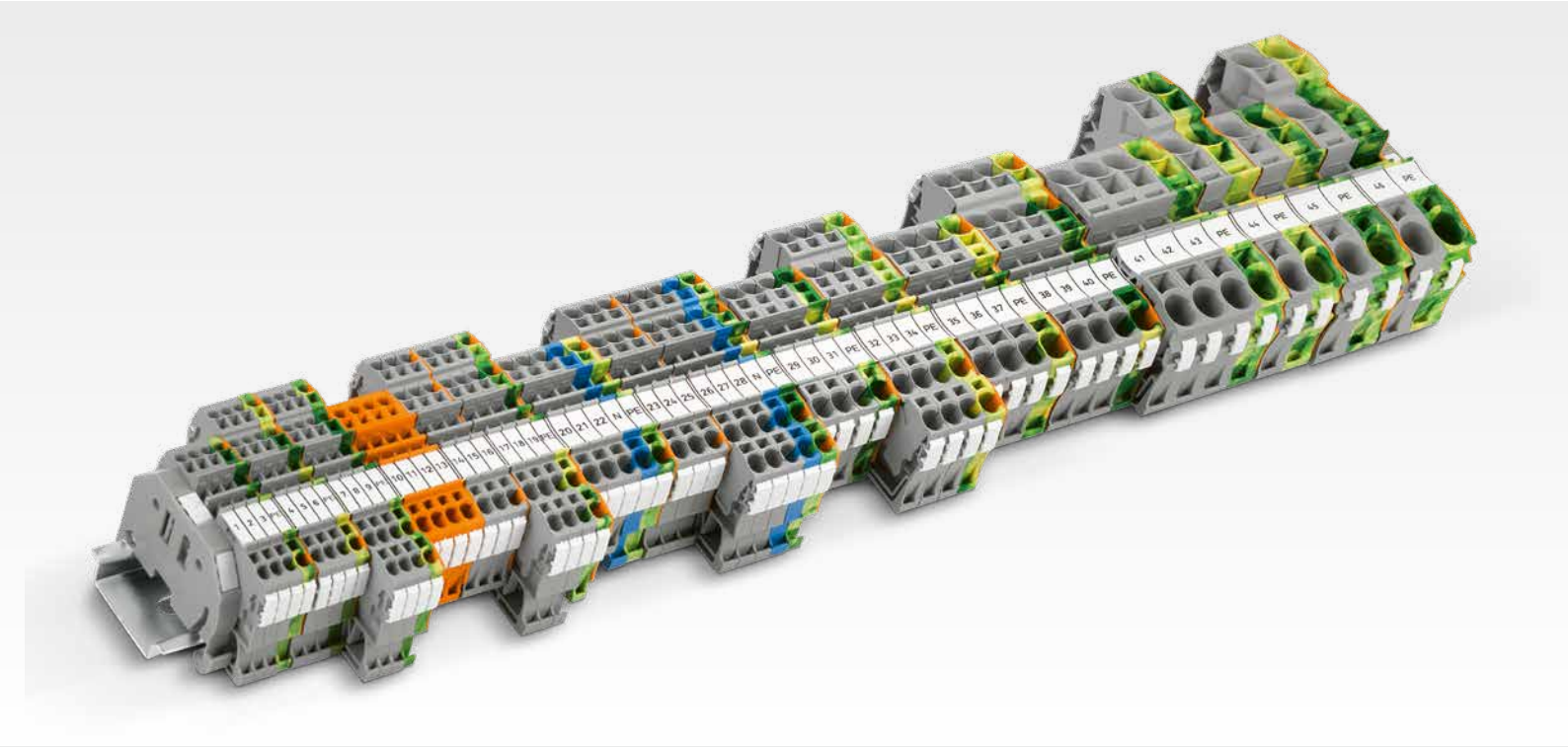
Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

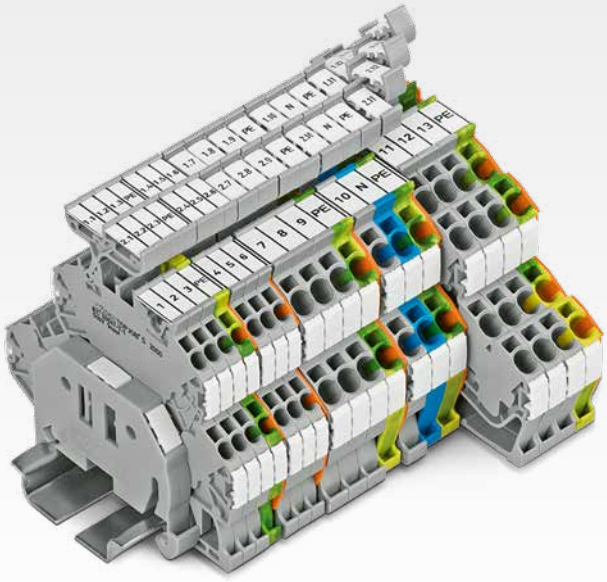
Through Terminal Blocks

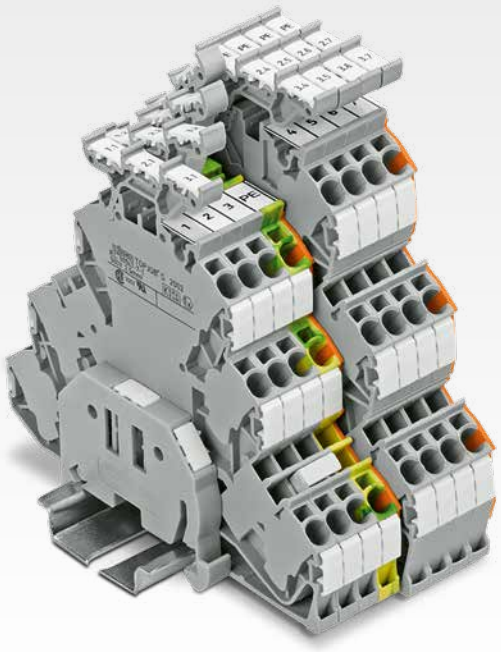
Single-Deck – Double-Deck – Triple-Deck



Single-Deck Terminal Blocks

- Terminate conductors ranging from 0.14 to 25 mm² (24–4 AWG)
- Provide simple, push-in termination of solid, stranded and ferruled conductors
- Feature centered dual jumper slots that accommodate WAGO's extensive line of jumpers
- Benefit from clear and continuous labeling via a centered marking slot
- Cost-effective use of both marking strips and WMB markers on all Through Terminal Blocks TOPJOB® S





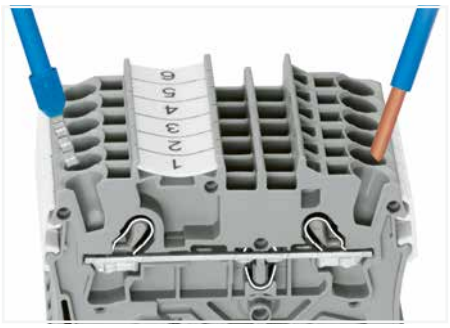
Double-Deck Terminal Blocks

- Save space
- Just 3.5 mm wide to maximize space
- Rated for 800 V nominal voltage
- Pivoting marker carrier clearly identifies each clamping unit – even in the tightest areas
- Both decks can be commoned after wiring via pluggable vertical jumper

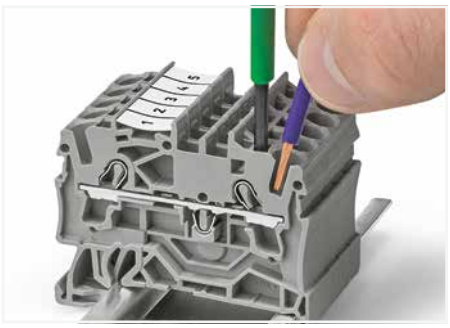
Triple-Deck Terminal Blocks

- Three different potentials in a width of just 5.2 mm (0.205 inch)
- Pivoting marker carrier clearly identifies each connection point in space-restricted conditions
- Both decks can be commoned after wiring via pluggable vertical jumper
- Wire an electric motor with four potentials, including a ground conductor, with just a 5.2 mm rail-mount terminal block for electric motor wiring

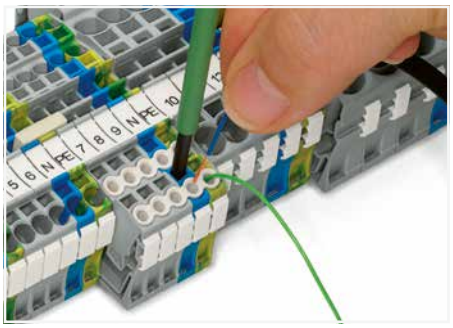
Rail-Mount Terminal Blocks TOPJOB® S; with Push-in CAGE CLAMP®
2000 to 2016 Series
Description and Installation



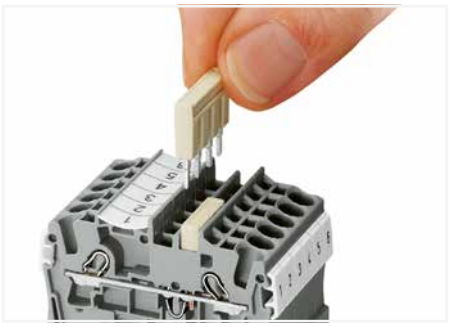
Push-in termination of solid and ferruled conductors



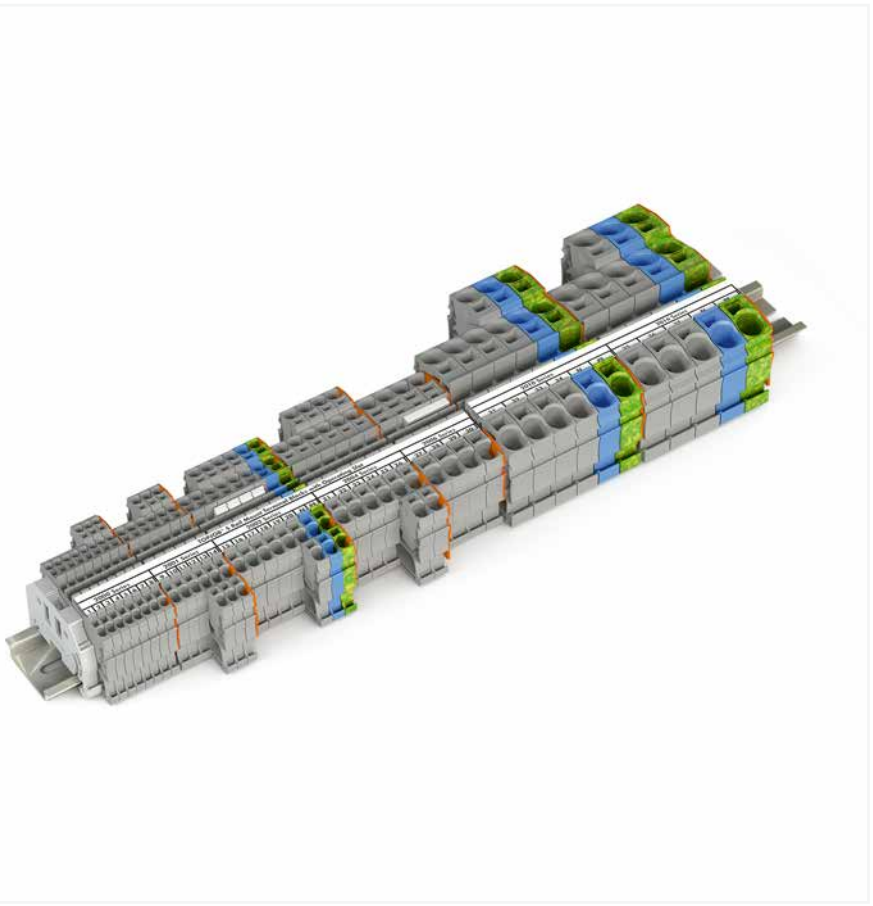
Insert fine-stranded conductors via operating tool.



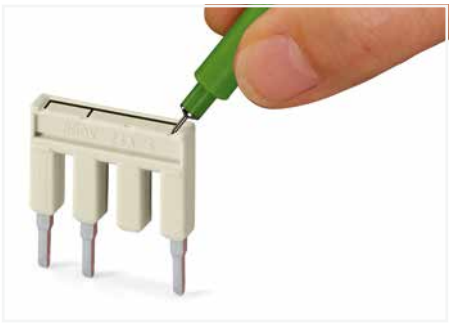
Conductor termination – insulation stop



Insert push-in type jumper bar and push down until it hits backstop.

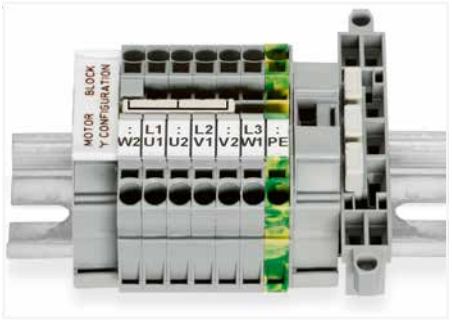


Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Push-in type jumper bar:
Marking with a felt-tip pen.

Commoning with step-down jumpers.

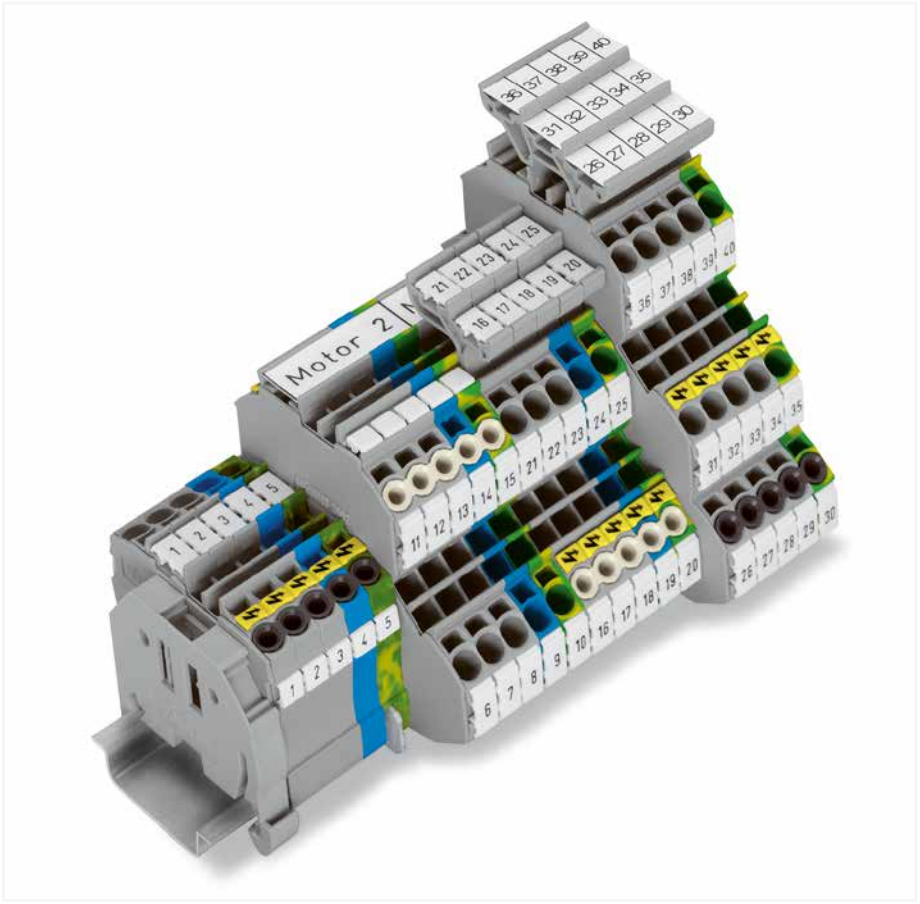


This star point jumper was specifically developed to create a “star point” and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

Rail-mount terminal block assembly for electric motor wiring

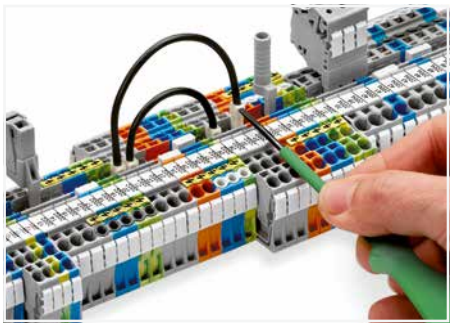
L-type test plug modules fitted in a triple-deck terminal block

Testing tap (Item no. 2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

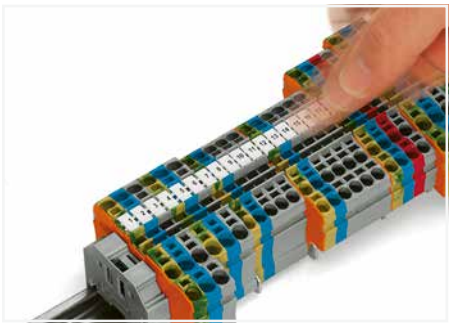


Test plug adapter (Item no. 2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

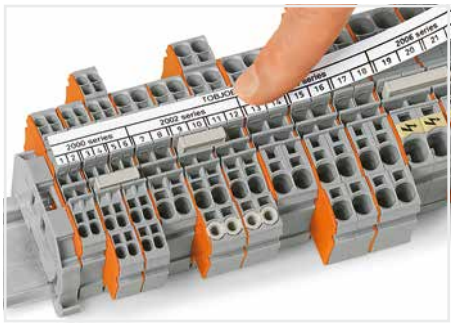
Group marker carrier (Item no. 2009-163) for marking strips (2009-110)



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

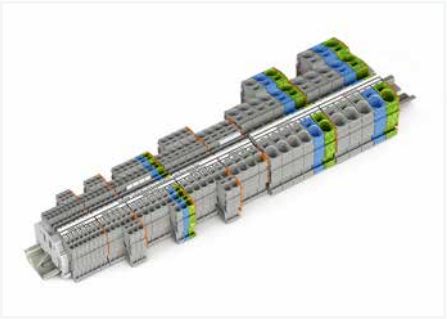


Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 529
Tool	Page 590

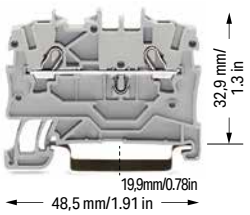
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 2

Clamping units: 2



2000-1201

Through terminal block

Color	Item No.	PU
gray	2000-1201	100
blue	2000-1204	100
orange	2000-1202	100
red	2000-1203	100
black	2000-1205	100
yellow	2000-1206	100

Ground terminal block ▸ Color: green-yellow

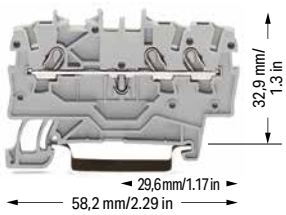
Color	Item No.	PU
green-yellow	2000-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1292	100 (25)
gray	2000-1291	100 (25)

Clamping units: 3



2000-1301

Through terminal block

Color	Item No.	PU
gray	2000-1301	100
blue	2000-1304	100
orange	2000-1302	100
red	2000-1303	100
black	2000-1305	100
yellow	2000-1306	100

Ground terminal block ▸ Color: green-yellow

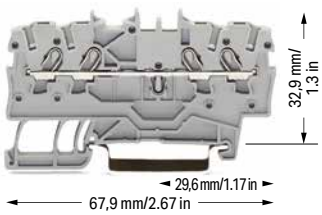
Color	Item No.	PU
green-yellow	2000-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1392	100 (25)
gray	2000-1391	100 (25)

Clamping units: 4



2000-1401

Through terminal block

Color	Item No.	PU
gray	2000-1401	100
blue	2000-1404	100
orange	2000-1402	100
red	2000-1403	100
black	2000-1405	100
yellow	2000-1406	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2000-1407	100

Item-Specific Accessories

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-1492	100 (25)
gray	2000-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

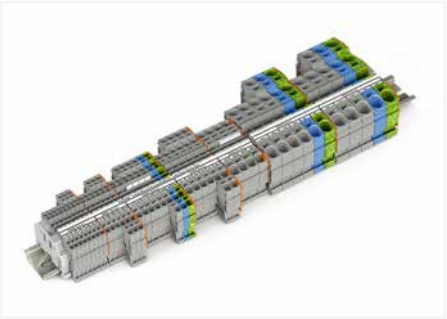
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 4



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

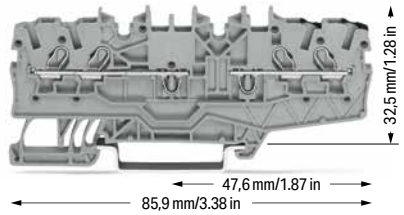
Electrical data	
Ratings per	ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	13 A
Rated current (Ex e II) with jumper	12 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

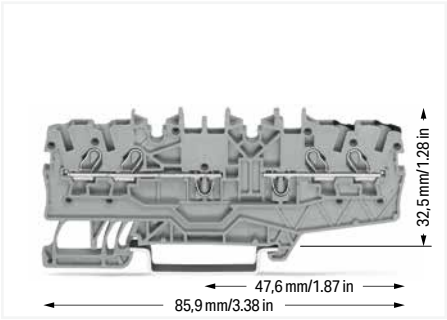
Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 4



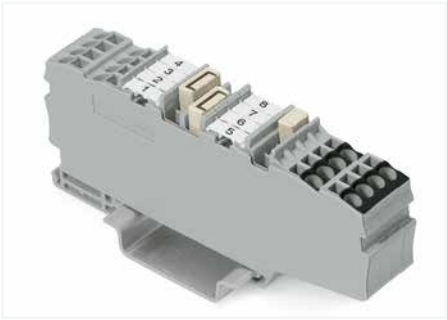
2000-2141

Double potential terminal block ▸ Color: gray

Color	Item No.	PU
gray	2000-2141	50



WAGO's front-entry double potential terminal blocks save space.
Two independent feedthrough circuits are placed in one insulated housing on one level in just 3.5 mm. This achieves a width of just 1.75 mm (0.069 inch) versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.



Standard and quick marking options:
Four marker slots (double-potential terminal blocks) are available for both individual markers and marking strips.

Accessories; for all products on this page

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2000-2196	100 (25)
gray	2000-2195	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

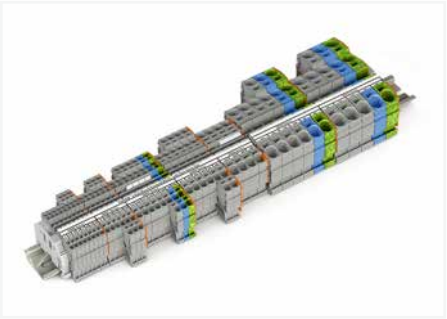
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	17.5 A	-	-
Current at conductor cross-section (max.) mm²	24 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 510
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 530
Tool	Page 590

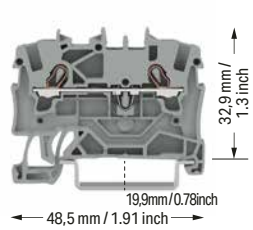
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2001-1201

Through terminal block

Color	Item No.	PU
gray	2001-1201	100
blue	2001-1204	100
orange	2001-1202	100
red	2001-1203	100
black	2001-1205	100
yellow	2001-1206	100
light gray	2001-1209	100
dark gray/yellow	2001-1201/000-053	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2001-1207	100

Shield terminal block ▸ Color: white

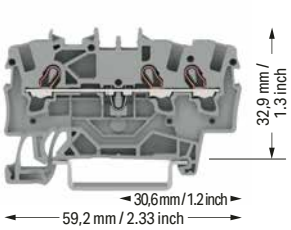
Color	Item No.	PU
white	2001-1208	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3



2001-1301

Through terminal block

Color	Item No.	PU
gray	2001-1301	100
blue	2001-1304	100
orange	2001-1302	100
red	2001-1303	100
black	2001-1305	100
yellow	2001-1306	100
light gray	2001-1309	100
dark gray/yellow	2001-1301/000-053	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2001-1307	100

Shield terminal block ▸ Color: white

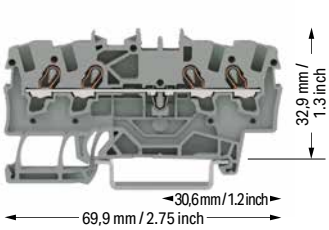
Color	Item No.	PU
white	2001-1308	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2001-1401

Through terminal block

Color	Item No.	PU
gray	2001-1401	100
blue	2001-1404	100
orange	2001-1402	100
red	2001-1403	100
black	2001-1405	100
yellow	2001-1406	100
light gray	2001-1409	100
dark gray/yellow	2001-1401/000-053	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2001-1407	100

Shield terminal block ▸ Color: white

Color	Item No.	PU
white	2001-1408	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

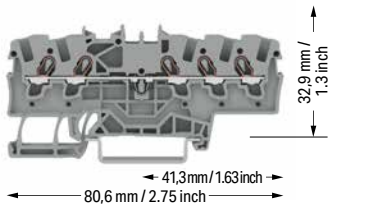
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 2

Clamping units: 5



2001-1501

Through terminal block		
Color	Item No.	PU
gray	2001-1501	20
orange	2001-1502	20
red	2001-1503	20
blue	2001-1504	20
black	2001-1505	20
yellow	2001-1506	20
light gray	2001-1509	20
dark gray/yellow	2001-1501/000-053	20

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2001-1507	20

Shield terminal block ▸ Color: white		
Color	Item No.	PU
white	2001-1508	20

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 3.7 mm; snap-on type

Color	Item No.	PU
orange	2002-1596	20
gray	2002-1595	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

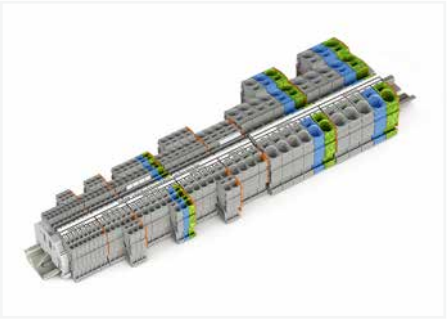
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Clamping units: 4



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	17.5 A	-	-
Current at conductor cross-section (max.) mm²	24 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Electrical data	
Ratings per	ATEX: PTB 05 ATEX 1094 U / IECEx: PTB 05.0034U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	15 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Notice: This double-potential terminal block cannot be commoned with push-in type jumper bars!

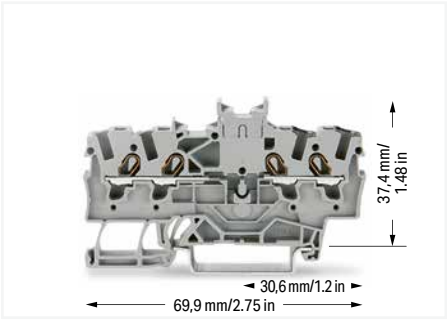
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Clamping units: 4

2001-1441

Double potential terminal block ▸ Color: gray

Color	Item No.	PU
gray	2001-1441	100



Notice: These double potential terminal blocks cannot be commoned with push-in type jumper bars!
WAGO's front-entry double potential terminal blocks save space. Two independent feedthrough circuits are placed in one insulated housing on one level in just 4.2 mm. This achieves a width of just 2.1 mm (0.083 inch) versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

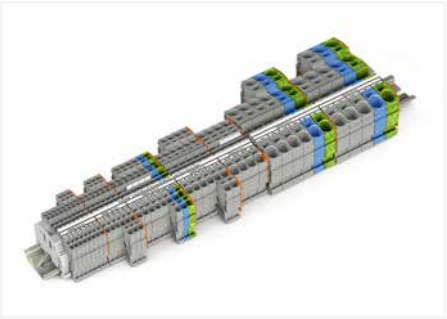
Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

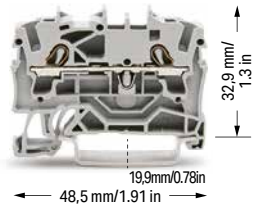
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2002-1201

Through terminal block

Color	Item No.	PU
gray	2002-1201	100
blue	2002-1204	100
orange	2002-1202	100
red	2002-1203	100
black	2002-1205	100
yellow	2002-1206	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2002-1207	100

Shield terminal block ▸ Color: white

Color	Item No.	PU
white	2002-1208	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3

2002-1301

Through terminal block

Color	Item No.	PU
gray	2002-1301	100
blue	2002-1304	100
orange	2002-1302	100
red	2002-1303	100
black	2002-1305	100
yellow	2002-1306	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2002-1307	100

Shield terminal block ▸ Color: white

Color	Item No.	PU
white	2002-1308	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4

2002-1401

Through terminal block

Color	Item No.	PU
gray	2002-1401	100
blue	2002-1404	100
orange	2002-1402	100
red	2002-1403	100
black	2002-1405	100
yellow	2002-1406	100
brown	2002-1401/000-014	100

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2002-1407	100

Shield terminal block ▸ Color: white

Color	Item No.	PU
white	2002-1408	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

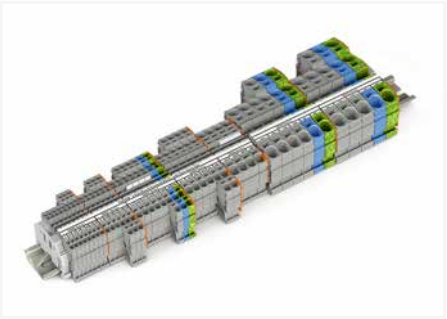
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4



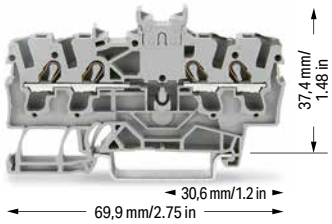
Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Electrical data	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	21 A
Rated current (Ex e II) with jumper	20 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Notice: This double-potential terminal block cannot be commoned with push-in type jumper bars!

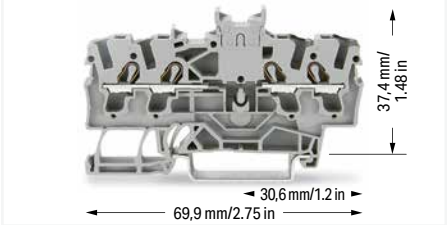
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4



2002-1441

Double potential terminal block ▸ Color: gray		
Color	Item No.	PU
gray	2002-1441	100



Notice: These double potential terminal blocks cannot be commoned with push-in type jumper bars!
WAGO's front-entry double potential terminal blocks save space. Two independent feedthrough circuits are placed in one insulated housing on one level in just 5.2 mm. This achieves a width of just 2.6 mm (0.103 inch) versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

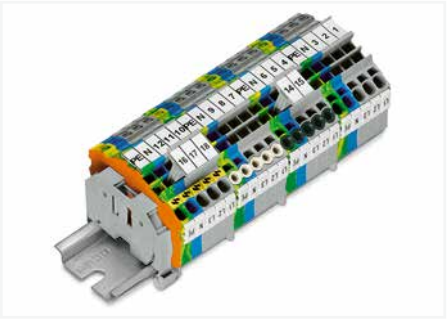
Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 3



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 3

2002-6301

Through terminal block		
Color	Item No.	PU
gray	2002-6301	100
blue	2002-6304	100
orange	2002-6302	100
red	2002-6303	100
black	2002-6305	100
yellow	2002-6306	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2002-6307	100

Shield terminal block ▸ Color: white		
Color	Item No.	PU
white	2002-6308	100

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

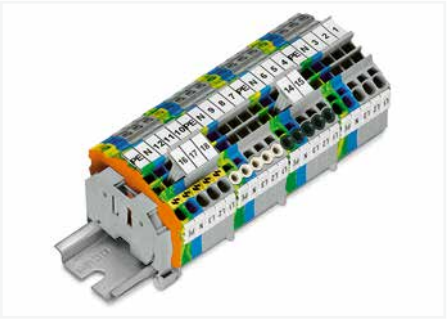
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4

2002-6401

Through terminal block		
Color	Item No.	PU
gray	2002-6401	100
blue	2002-6404	100
orange	2002-6402	100
red	2002-6403	100
black	2002-6405	100
yellow	2002-6406	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU (SPU)
green-yellow	2002-6407	100 (1)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

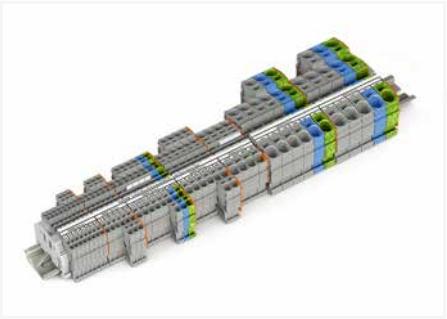
Color	Item No.	PU (SPU)
orange	2002-6392	100 (25)
gray	2002-6391	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2004 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	32 A	-	-
Current at conductor cross-section (max.) mm²	41 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 532
Tool	Page 590

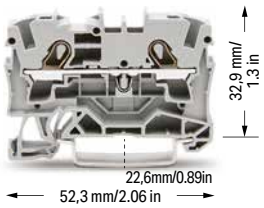
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2004 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2004-1201

Through terminal block

Color	Item No.	PU
gray	2004-1201	50
blue	2004-1204	50
orange	2004-1202	50
red	2004-1203	50
black	2004-1205	50
yellow	2004-1206	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2004-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1292	100 (25)
gray	2004-1291	100 (25)

Clamping units: 3

2004-1301

Through terminal block

Color	Item No.	PU
gray	2004-1301	50
blue	2004-1304	50
orange	2004-1302	50
red	2004-1303	50
black	2004-1305	50
yellow	2004-1306	50

Ground terminal block ▸ Color: green-yellow

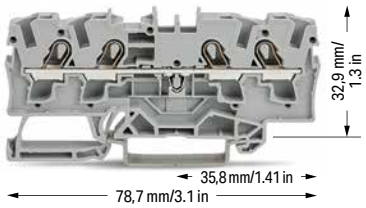
Color	Item No.	PU
green-yellow	2004-1307	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1392	100 (25)
gray	2004-1391	100 (25)

Clamping units: 4



2004-1401

Through terminal block

Color	Item No.	PU
gray	2004-1401	50
blue	2004-1404	50
orange	2004-1402	50
red	2004-1403	50
black	2004-1405	50
yellow	2004-1406	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2004-1407	50

Shield terminal block ▸ Color: white

Color	Item No.	PU
white	2004-1408	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1492	100 (25)
gray	2004-1491	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

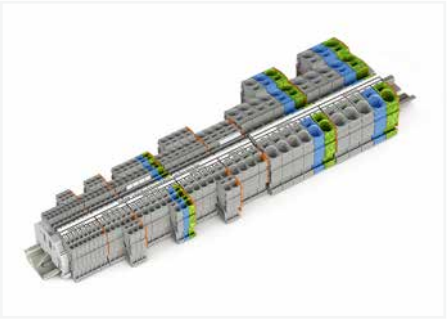
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2



Electrical data						
Clamping units	2; 3; 4			4		
Color	gray; blue; orange; red; black; yellow			gray; blue; orange; dark gray/yellow		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	41 A	-	-	41 A	-	-
Current at conductor cross-section (max.) mm²	57 A	-	-	53 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	50 A	50 A	-	50 A	50 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	50 A	50 A	-	50 A	50 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2

Clamping units: 2

2006-1201

Through terminal block

Color	Item No.	PU
gray	2006-1201	50
blue	2006-1204	50
orange	2006-1202	50
red	2006-1203	50
black	2006-1205	50

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2006-1207	50

Shield terminal block ▸ Color: white

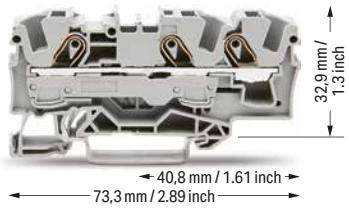
Color	Item No.	PU
white	2006-1208	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1292	100 (25)
gray	2006-1291	100 (25)

Clamping units: 3



2006-1301

Through terminal block

Color	Item No.	PU
gray	2006-1301	25
blue	2006-1304	25
orange	2006-1302	25
red	2006-1303	25
black	2006-1305	25
yellow	2006-1306	25

Ground terminal block ▸ Color: green-yellow

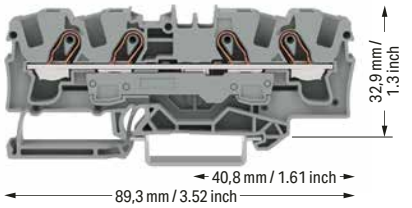
Color	Item No.	PU
green-yellow	2006-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1392	100 (25)
gray	2006-1391	100 (25)

Clamping units: 4



2006-1401

Through terminal block

Color	Item No.	PU
gray	2006-1401	25
blue	2006-1404	25
orange	2006-1402	25
red	2006-1403	25
black	2006-1405	25
dark gray/yellow	2006-1401/000-053	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2006-1407	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2006-1492	25
gray	2006-1491	25

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

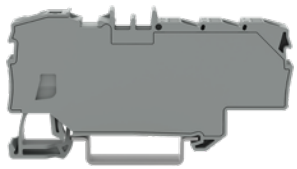
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 9 mm ▸ Clamping units: 7



- **TOPJOB® S Distribution Terminal Block**
- Potential distribution up to 57 A and 800 V
- Can be combined with all TOPJOB® S Rail-Mount Terminal Blocks and all accessories

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	41 A	-	-
Current at conductor cross-section (max.) mm²	57 A	-	-

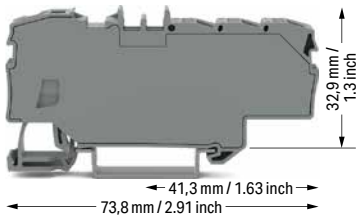
Connection data	
Connection type 1	Input
Connection technology	Push-in CAGE CLAMP®
Number of connection points	1
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Connection type	Output
Connection technology	Push-in CAGE CLAMP®
Number of connection points	6
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

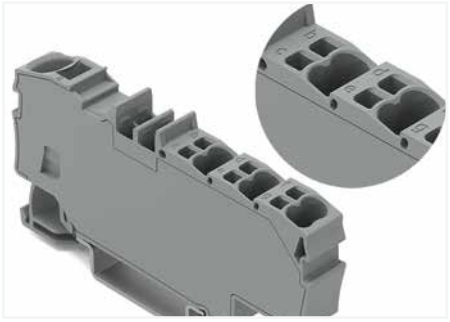
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 510
Marking	Page 554
Screwless end stop	Page 584
Terminal blocks	Page 63
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 9 mm ▸ Clamping units: 7

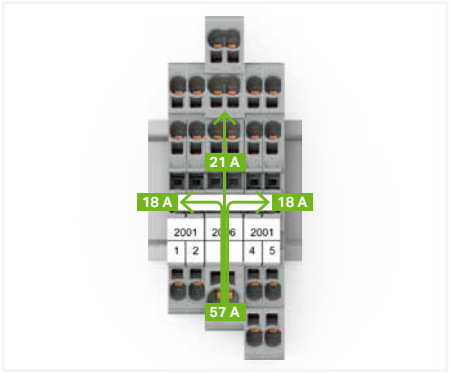


2006-8031

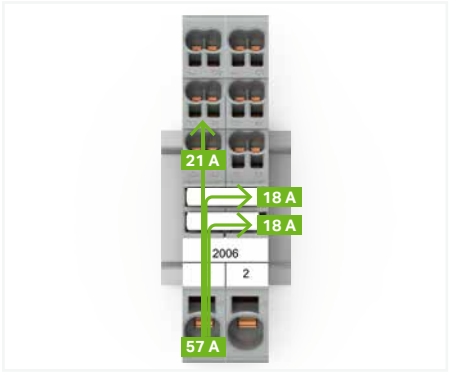
Distribution terminal block		
Color	Item No.	PU
gray	2006-8031	12
blue	2006-8034	12
orange	2006-8032	12
red	2006-8033	12
black	2006-8035	12
yellow	2006-8036	12
light gray	2006-8039	12
dark gray/yellow	2006-8031/000-053	12



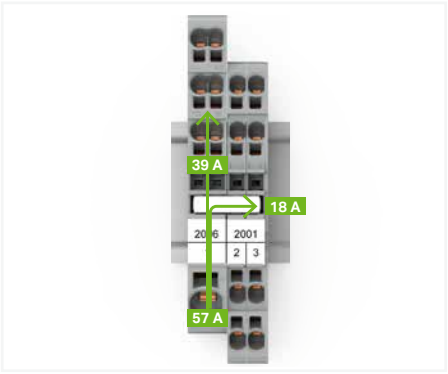
A clear marking of clamping units is molded in.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers
Note:
The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers
Note:
The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.



Commoning options for the 2006 Series Distribution Terminal Blocks and 2001 Series Terminal Blocks using 2001 Series Jumpers
Note:
The total current of the outgoing circuits must not exceed the nominal current of the push-in type jumper bar.

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

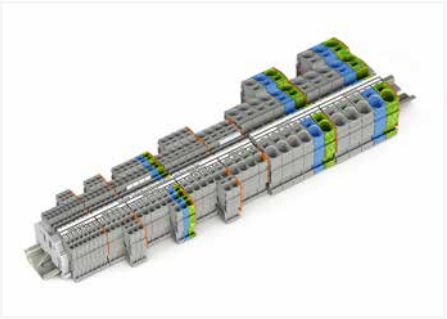
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2010 Series
Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	57 A	-	-
Current at conductor cross-section (max.) mm²	76 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Connectable conductor materials	Copper
Nominal cross-section	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	4 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 520
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2010 Series
Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2

Clamping units: 2

2010-1201

Through terminal block

Color	Item No.	PU
gray	2010-1201	25
blue	2010-1204	25
orange	2010-1202	25
red	2010-1203	25
black	2010-1205	25
yellow	2010-1206	25
dark gray/yellow	2010-1201/000-053	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2010-1207	25

Shield terminal block ▸ Color: white

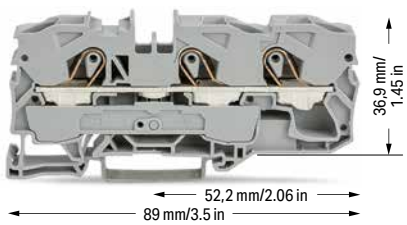
Color	Item No.	PU
white	2010-1208	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2010-1292	100 (25)
gray	2010-1291	100 (25)

Clamping units: 3



2010-1301

Through terminal block

Color	Item No.	PU
gray	2010-1301	25
blue	2010-1304	25
orange	2010-1302	25
red	2010-1303	25
black	2010-1305	25
dark gray/yellow	2010-1301/000-053	25

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2010-1307	25

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2010-1392	100 (25)
gray	2010-1391	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2010-402	25
1-2-3	2010-403	25
1-2-3-4	2010-404	25
1-2-3-4-5	2010-405	25
1-3	2010-433	25
1-4	2010-434	25
1-5	2010-435	25

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12.8 mm ▸ Clamping units: 7

1

- **TOPJOB® S Distribution Terminal Block**
- Potential distribution up to 90 A and 800 V
- Can be combined with all TOPJOB® S Rail-Mount Terminal Blocks and all accessories

Electrical data			
Ratings per	**IEC/EN 60664-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	76 A	-	-
Current at conductor cross-section (max.) mm²	90 A	-	-

Connection data	
Connection type 1	Input
Connection technology	Push-in CAGE CLAMP®
Number of connection points	1
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 10 … 6 AWG
Stranded conductor	0.5 … 6 mm² / 20 … 8 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Connection type	Output
Connection technology	Push-in CAGE CLAMP®
Number of connection points	6
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 16 … 10 AWG
Stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with uninsulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 16 … 12 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)

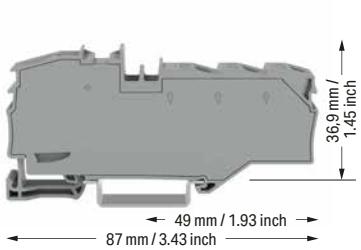
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 517
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

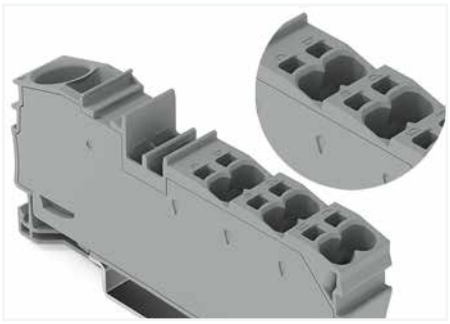
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12.8 mm ▸ Clamping units: 7



2016-8031



A clear marking of clamping units is molded in.

Distribution terminal block		
Color	Item No.	PU
gray	2016-8031	7
blue	2016-8034	7
orange	2016-8032	7
red	2016-8033	7
black	2016-8035	7
yellow	2016-8036	7
light gray	2016-8039	7
dark gray/yellow	2016-8031/000-053	7

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2-3	2004-403	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

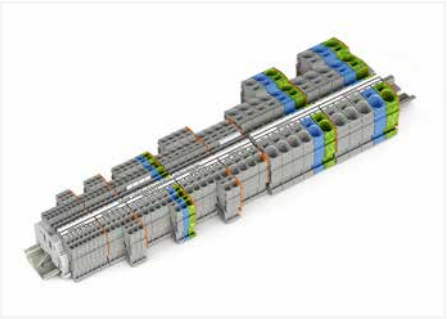
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2



Electrical data				
15 mm high DIN-35 rails shall be used for a current load higher than 76 A!				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	76 A	-	-	
Current at conductor cross-section (max.) mm²	90 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	85 A	85 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	80 A	80 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554, 560
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 533
Tool	Page 590

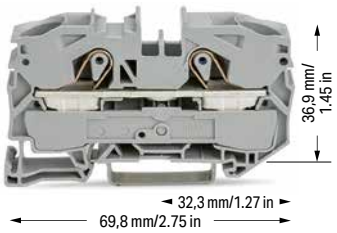
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 2



2016-1201

Through terminal block

Color	Item No.	PU
gray	2016-1201	20
blue	2016-1204	20
orange	2016-1202	20
red	2016-1203	20
dark gray/yellow	2016-1201/000-053	20

Ground terminal block ▸ Color: green-yellow

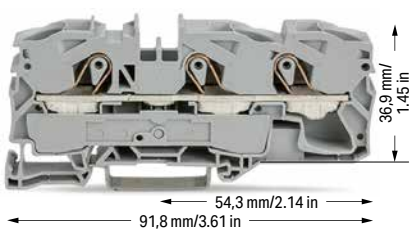
Color	Item No.	PU
green-yellow	2016-1207	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-1292	100 (25)
gray	2016-1291	100 (25)

Clamping units: 3



2016-1301

Through terminal block

Color	Item No.	PU
gray	2016-1301	20
blue	2016-1304	20
orange	2016-1302	20
red	2016-1303	20
black	2016-1305	20
yellow	2016-1306	20
dark gray/yellow	2016-1301/000-053	20

Ground terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2016-1307	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-1392	100 (25)
gray	2016-1391	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

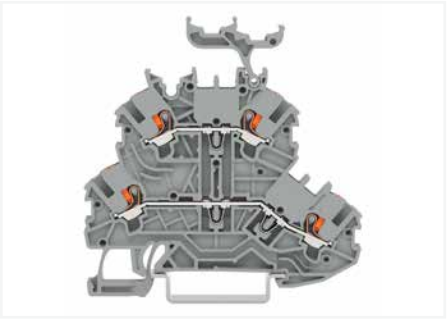
Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series

Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	
Current at conductor cross-section (max.) mm²	16 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	10 A	10 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	10 A	10 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

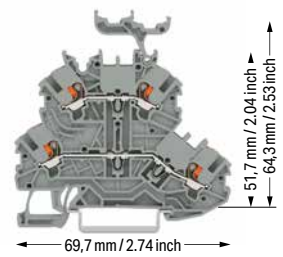
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series

Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

Internally commoned levels: No



2200-2231

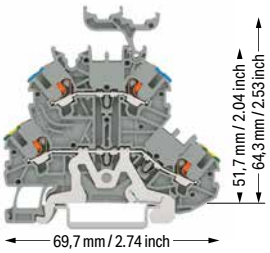
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2200-2231	50
gray	N/L	2200-2232	50
gray	L/N	2200-2233	50
blue	N/N	2200-2234	50
orange	-	2200-2236	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2200-2201	50
gray	N/L	2200-2202	50
gray	L/N	2200-2203	50
blue	N/N	2200-2204	50
orange	-	2200-2206	50

Internally commoned levels: No



2200-2247

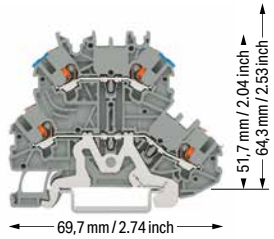
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2200-2247	50
gray	PE/L	2200-2257	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2200-2217	50
gray	PE/L	2200-2227	50

Internally commoned levels: No



2200-2218

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2200-2218	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2200-2248	50
gray	Shield/L	2200-2258	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/L	2200-2228	50

Accessories; for all products on this page

End plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-2292	25
gray	2000-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

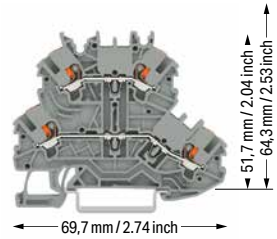
PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series

Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

1

Internally commoned levels: No



2200-2201

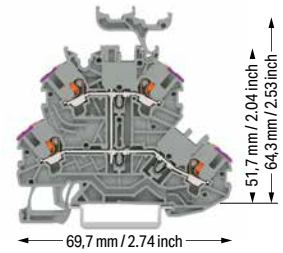
Double-deck terminal block; Through terminal block ▸ Conductor entry, black; Conductor entry (deck 1), red ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2200-2201/352-000	50

Double-deck terminal block; Through terminal block ▸ Conductor entry, yellow; Conductor entry (deck 1), white ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2200-2201/353-000	50

Internally commoned levels: Yes



2200-2238

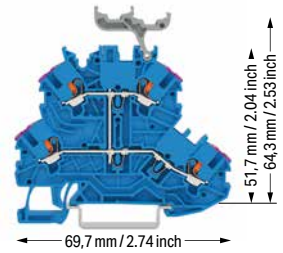
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2200-2238	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2200-2208	50

Internally commoned levels: Yes



2200-2239

Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2200-2239	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2200-2209	50

Accessories; for all products on this page

End plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-2292	25
gray	2000-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

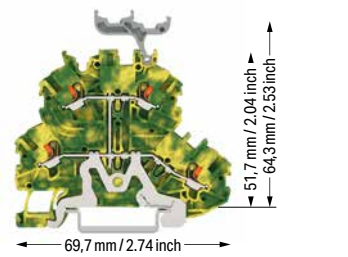
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series

Push-button ▸ 1 mm² ▸ Width: 3.5 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

Internally commoned levels: Yes



2200-2237

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2200-2237	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2200-2207	50

Accessories; for all products on this page

End plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-2292	25
gray	2000-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Electrical data				
Ratings per	IEC/EN 60947-7-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	23 A	-	-	
Current at conductor cross-section (max.) mm²	28 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 mm² / 18 AWG
Stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	1 … 2.5 mm² / 18 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 mm² / 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

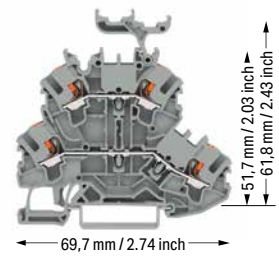
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2202-2231

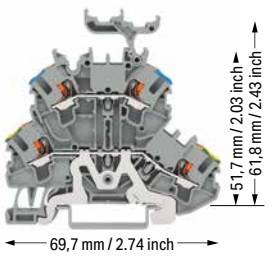
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2202-2231	50
gray	N/L	2202-2232	50
gray	L/N	2202-2233	50
blue	N/N	2202-2234	50
orange	-	2202-2236	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2202-2201	50
gray	N/L	2202-2202	50
gray	L/N	2202-2203	50
blue	N/N	2202-2204	50
orange	N/L	2202-2206	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2202-2247

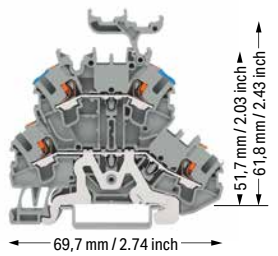
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2202-2247	50
gray	PE/L	2202-2257	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2202-2217	50
gray	PE/L	2202-2227	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2202-2248

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2202-2248	50
gray	Shield/L	2202-2258	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2202-2218	50
gray	Shield/L	2202-2228	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Separator plate; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

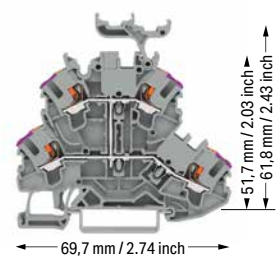
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2202-2238

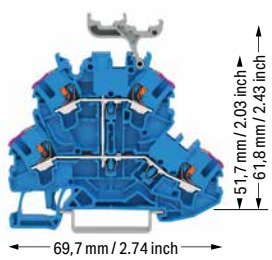
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2202-2238	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2202-2208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2202-2239

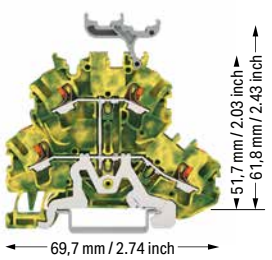
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2202-2239	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2202-2209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2202-2237

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2202-2237	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2202-2207	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Separator plate; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	24 A	24 A	-

Electrical data	
Ratings per	ATEX: PTB 18 ATEX 1005 U / IECEx: PTB 18.0012U (Ex eb IIC Gb)
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

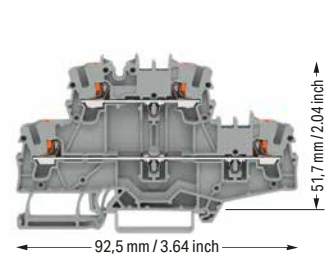
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2202-2701

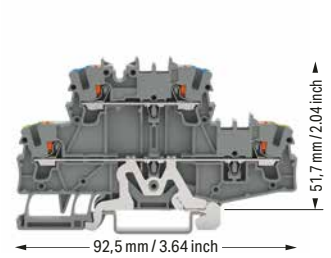
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2202-2731	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2202-2701	50
gray	N/L	2202-2702	50
gray	L/N	2202-2703	50
blue	N/N	2202-2704	50
red	-	2202-2701/000-005	50
black	-	2202-2705	50

Internally commoned levels: No ▸ Number of jumper slots: 4 ▸ Marker carrier: No

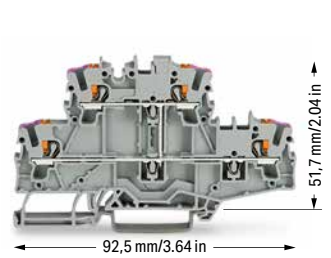


2202-2717

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2202-2717	50
gray	PE/L	2202-2727	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No



2202-2708

Double-deck terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2202-2708	50

Accessories; for all products on this page

End plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2792	100 (25)
gray	2002-2791	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

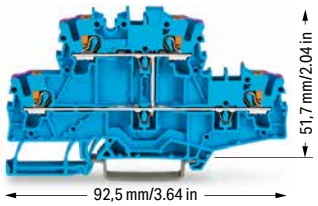
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No

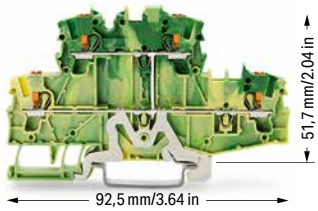


2202-2709

Double-deck terminal block; Through terminal block ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2202-2709	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No



2202-2707

Double-deck terminal block; Ground terminal block ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2202-2707	50

Accessories; for all products on this page

End plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2792	100 (25)
gray	2002-2791	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

Electrical data	
Ratings per	ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

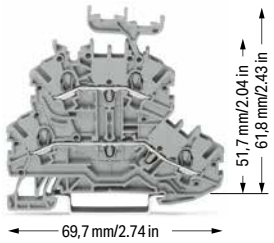
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2000-2231

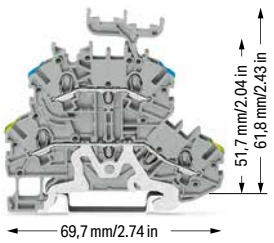
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2000-2231	50
gray	N/L	2000-2232	50
gray	L/N	2000-2233	50
blue	N/N	2000-2234	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2000-2201	50
gray	N/L	2000-2202	50
gray	L/N	2000-2203	50
blue	N/N	2000-2204	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2000-2247

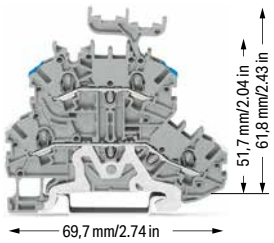
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2000-2247	50
gray	PE/L	2000-2257	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2000-2217	50
gray	PE/L	2000-2227	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2000-2248

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2000-2248	50
gray	Shield/L	2000-2258	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	-	2000-2218	50
gray	Shield/L	2000-2228	50

Accessories; for all products on this page

End plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-2292	25
gray	2000-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

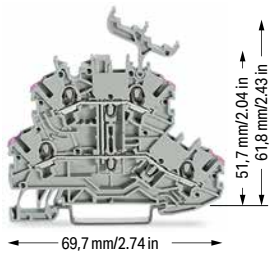
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 4

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2238

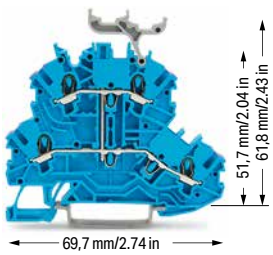
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-2238	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-2208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2239

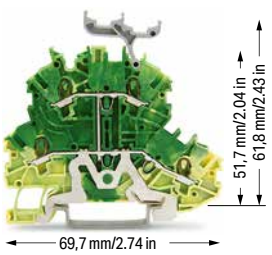
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2000-2239	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2000-2209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2237

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-2237	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-2207	50

Accessories; for all products on this page

End plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-2292	25
gray	2000-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 4.2 mm ▸ Clamping units: 4

- 800 V thanks to integrated end plate

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

Electrical data	
Ratings per	ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 509
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

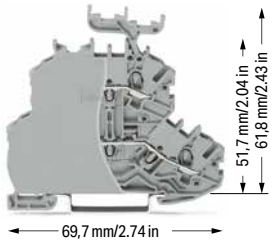
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 4.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2000-2231/099-000

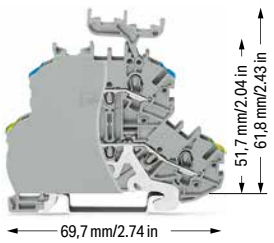
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2000-2231/099-000	50
gray	N/L	2000-2232/099-000	50
gray	L/N	2000-2233/099-000	50
blue	N/N	2000-2234/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2000-2201/099-000	50
gray	N/L	2000-2202/099-000	50
gray	L/N	2000-2203/099-000	50
blue	N/N	2000-2204/099-000	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2000-2247/099-000

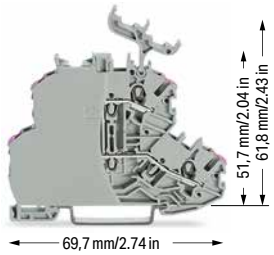
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2000-2247/099-000	50
gray	PE/L	2000-2257/099-000	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2000-2217/099-000	50
gray	PE/L	2000-2227/099-000	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2238/099-000

Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-2238/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-2208/099-000	50

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

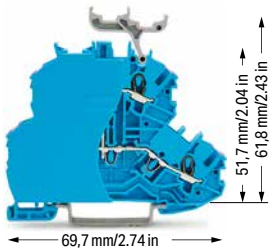
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 4.2 mm ▸ Clamping units: 4

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2239/099-000

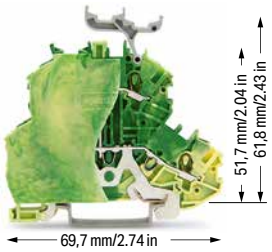
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2000-2239/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2000-2209/099-000	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2000-2237/099-000

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-2237/099-000	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-2207/099-000	50

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	600 V
Rated current	20 A	20 A	5 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	20 A	20 A	-

Electrical data	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

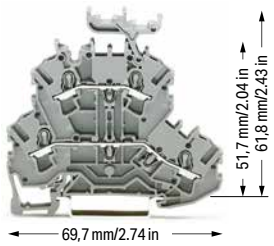
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2231

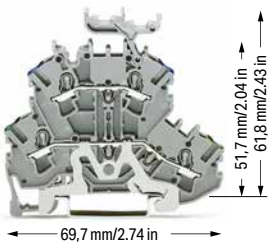
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2002-2231	50
gray	N/L	2002-2232	50
gray	L/N	2002-2233	50
blue	N/N	2002-2234	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2002-2201	50
gray	N/L	2002-2202	50
gray	L/N	2002-2203	50
blue	N/N	2002-2204	50
orange	N/L	2002-2206	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2247

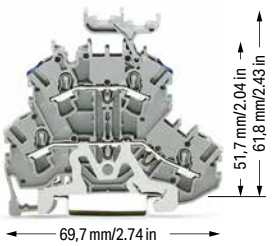
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2247	50
gray	PE/L	2002-2257	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2217	50
gray	PE/L	2002-2227	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2248

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2248	50
gray	Shield/L	2002-2258	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2218	50
gray	Shield/L	2002-2228	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Separator plate; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

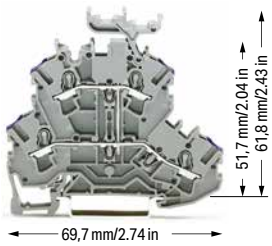
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2238

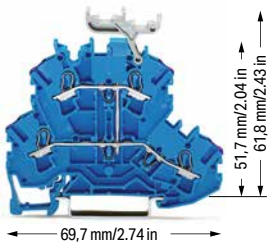
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2238	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2239

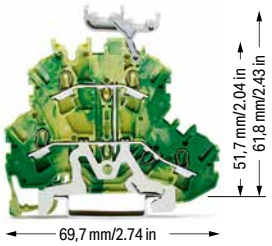
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2239	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2237

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2237	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2207	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Separator plate; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ Marker carrier: No

1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	20 A	20 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

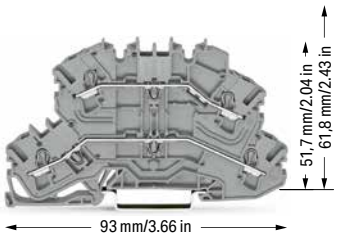
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ Marker carrier: No

Internally commoned levels: No ▸ Number of jumper slots: 4

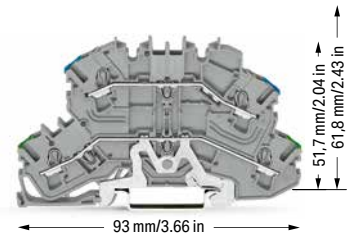


2002-2601

Double-deck terminal block; Through terminal block

Color	Potential marking	Item No.	PU
gray	L/L	2002-2601	50
gray	N/L	2002-2602	50
gray	L/N	2002-2603	50
blue	N/N	2002-2604	50

Internally commoned levels: No ▸ Number of jumper slots: 4

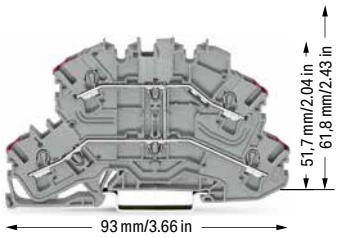


2002-2647

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2647	50
gray	PE/L	2002-2657	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2608

Double-deck terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2608	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2692	100 (25)
gray	2002-2691	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

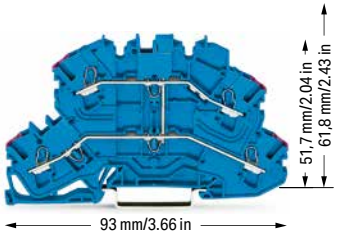
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ Marker carrier: No

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3

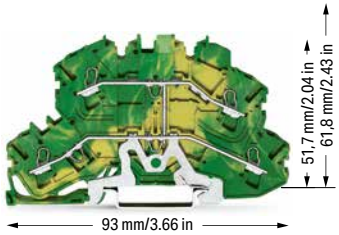


2002-2609

Double-deck terminal block; Through terminal block ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2609	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2607

Double-deck terminal block; Ground terminal block ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2607	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2692	100 (25)
gray	2002-2691	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	24 A	24 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

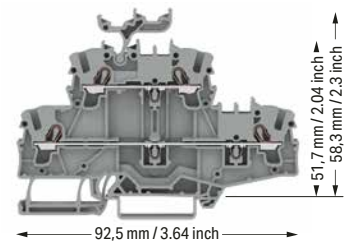
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2731

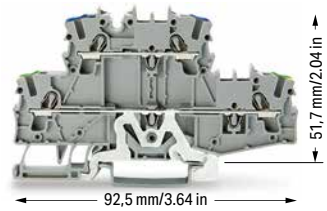
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2731	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2002-2701	50
gray	N/L	2002-2702	50
gray	L/N	2002-2703	50
blue	N/N	2002-2704	50

Internally commoned levels: No ▸ Number of jumper slots: 4 ▸ Marker carrier: No

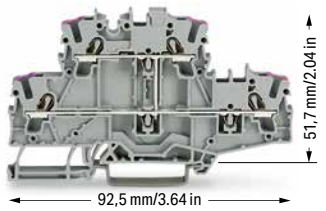


2002-2717

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2717	50
gray	PE/L	2002-2727	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No



2002-2708

Double-deck terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2708	50

Accessories; for all products on this page

End plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2792	100 (25)
gray	2002-2791	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

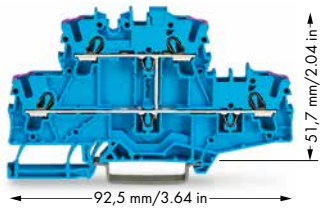
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No

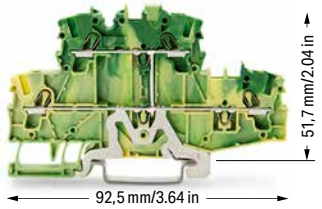


2002-2709

Double-deck terminal block; Through terminal block ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2709	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3 ▸ Marker carrier: No



2002-2707

Double-deck terminal block; Ground terminal block ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2707	50
green-yellow	PE	2002-2707/999-950	50

Accessories; for all products on this page

End plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2792	100 (25)
gray	2002-2791	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 8

1

Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	24 A	-	-	
Current at conductor cross-section (max.) mm²	28 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage		600 V		
Rated current	20 A	20 A	20 A	

Electrical data	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

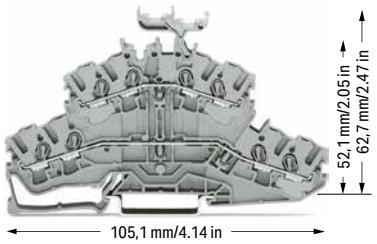
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 8

Internally commoned levels: No



2002-2431

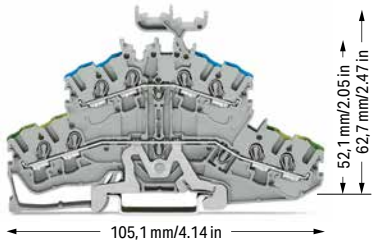
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2002-2431	50
gray	N/L	2002-2432	50
gray	L/N	2002-2433	50
blue	N/N	2002-2434	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2002-2401	50
gray	N/L	2002-2402	50
gray	L/N	2002-2403	50
blue	N/N	2002-2404	50

Internally commoned levels: No



2002-2447

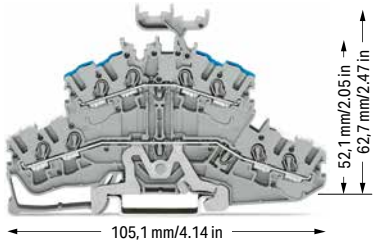
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2447	50
gray	PE/L	2002-2457	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2417	50
gray	PE/L	2002-2427	50

Internally commoned levels: No



2002-2448

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2448	50
gray	Shield/L	2002-2458	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2418	50
gray	Shield/L	2002-2428	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2492	100 (25)
gray	2002-2491	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

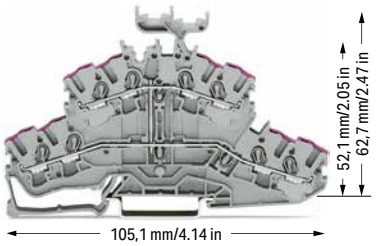
PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 8

1

Internally commoned levels: Yes



2002-2438

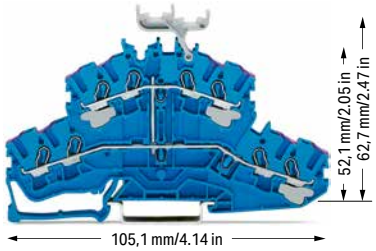
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2438	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2408	50

Internally commoned levels: Yes



2002-2439

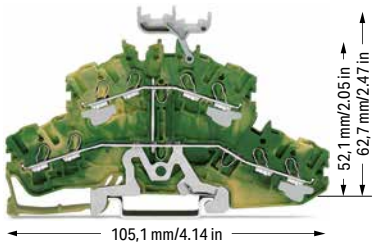
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2439	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2409	50

Internally commoned levels: Yes



2002-2437

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2437	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU (SPU)
green-yellow	PE	2002-2407	50 (1)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2492	100 (25)
gray	2002-2491	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Clamping units: 4

- 800 V thanks to integrated end plate

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage		600 V	
Rated current	20 A	20 A	5 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Electrical data	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 516
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

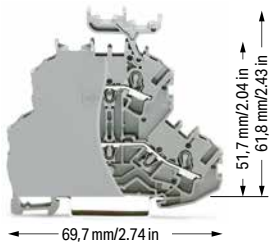
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Clamping units: 4

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2231/099-000

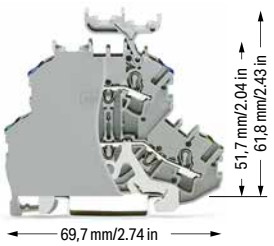
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L	2002-2231/099-000	50
gray	N/L	2002-2232/099-000	50
gray	L/N	2002-2233/099-000	50
blue	N/N	2002-2234/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L	2002-2201/099-000	50
gray	N/L	2002-2202/099-000	50
gray	L/N	2002-2203/099-000	50
blue	N/N	2002-2204/099-000	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2247/099-000

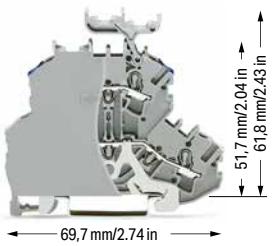
Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2247/099-000	50
gray	PE/L	2002-2257/099-000	50

Double-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2002-2217/099-000	50
gray	PE/L	2002-2227/099-000	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2002-2248/099-000

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2248/099-000	50
gray	Shield/L	2002-2258/099-000	50

Double-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N	2002-2218/099-000	50
gray	Shield/L	2002-2228/099-000	50

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

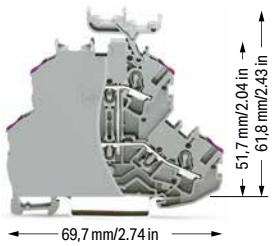
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Clamping units: 4

1

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2238/099-000

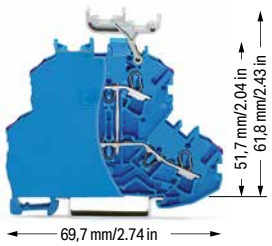
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2238/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2208/099-000	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2239/099-000

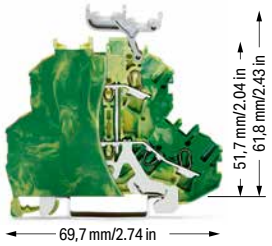
Double-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2239/099-000	50

Double-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-2209/099-000	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2002-2237/099-000

Double-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2237/099-000	50

Double-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-2207/099-000	50

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

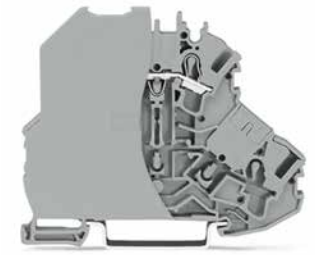
Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 7.2 mm ▸ Internally commoned levels: No ▸ Clamping units: 2 ▸ Marker carrier: No



- 1000 V thanks to integrated end plate

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	-	-
Rated surge voltage	12 kV	-	-
Rated current	24 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	1000 V	1000 V	-
Rated current	20 A	20 A	-

Electrical data (general)	
Voltage type 1	AC/DC
Voltage type 2	DC

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

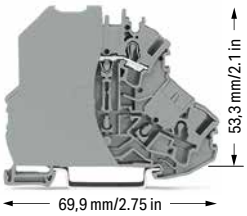
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

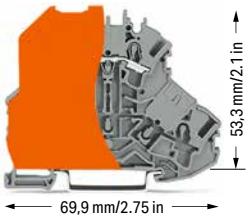
Operating tool ▸ 2.5 mm² ▸ Width: 7.2 mm ▸ Internally commoned levels: No ▸ Clamping units: 2 ▸ Marker carrier: No



2002-2201/097-000

Double-deck terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2201/097-000	50



2002-2201/098-000

Double-deck terminal block; Through terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-2201/098-000	50

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm

Electrical data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	
Current at conductor cross-section (max.) mm²	16 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	3
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 mm² / 20 AWG
Stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 0.75 mm² / 20 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm² / 20 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	3

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

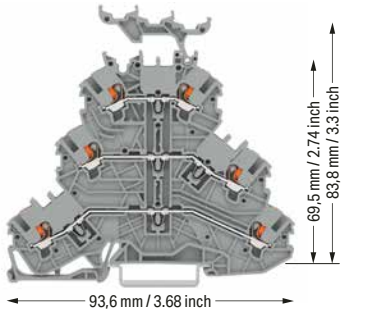
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm

Internally commoned levels: No ▸ Number of jumper slots: 6



2200-3231

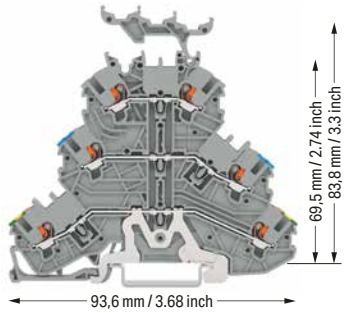
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L/L	2200-3231	40
gray	L/L/N	2200-3233	40
blue	N/N/N	2200-3234	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L/L	2200-3201	40
gray	L/L/N	2200-3203	40
blue	N/N/N	2200-3204	40

Internally commoned levels: No ▸ Number of jumper slots: 6



2200-3247

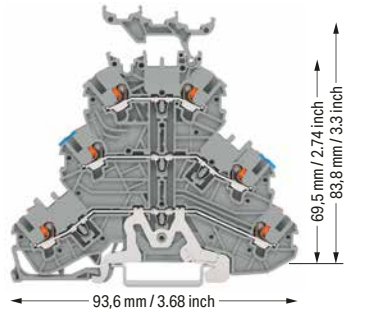
Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2200-3247	40
gray	PE/L/L	2200-3257	40

Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2200-3217	40
gray	PE/L/L	2200-3227	40

Internally commoned levels: No ▸ Number of jumper slots: 6



2200-3248

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2200-3248	40
gray	Shield/L/L	2200-3258	40

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2200-3218	40
gray	Shield/L/L	2200-3228	40

Accessories; for all products on this page

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-3292	20
gray	2000-3291	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

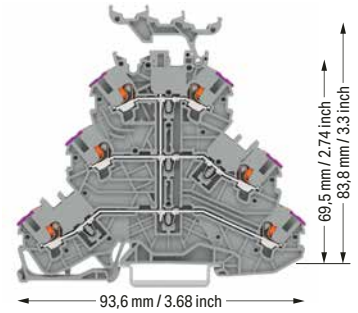
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2200 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2200-3238

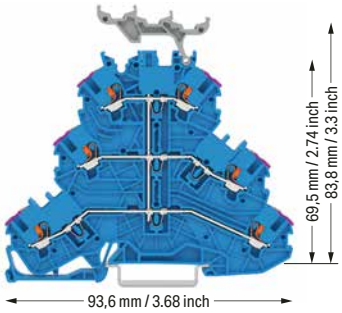
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2200-3238	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2200-3208	40

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2200-3239

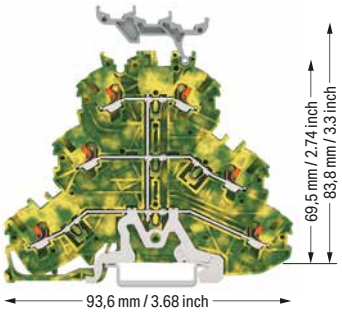
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2200-3239	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2200-3209	40

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2200-3237

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2200-3237	40

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2200-3207	40

Accessories; for all products on this page

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-3292	20
gray	2000-3291	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

Electrical data						
Internally commoned levels	No			Yes		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	500 V	-	-	500 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	22 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	26 A	-	-	26 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

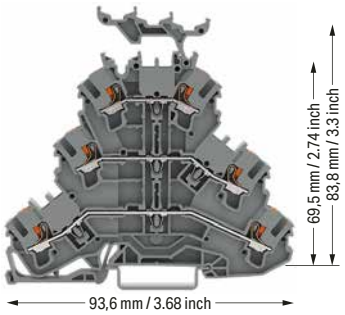
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

Internally commoned levels: No ▸ Number of jumper slots: 6



2202-3231

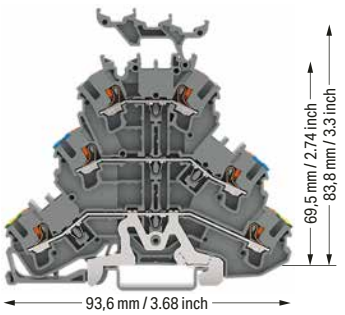
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L/L	2202-3231	50
gray	L/L/N	2202-3233	50
blue	N/N/N	2202-3234	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L/L	2202-3201	50
gray	L/L/N	2202-3203	50
blue	N/N/N	2202-3204	50

Internally commoned levels: No ▸ Number of jumper slots: 6



2202-3247

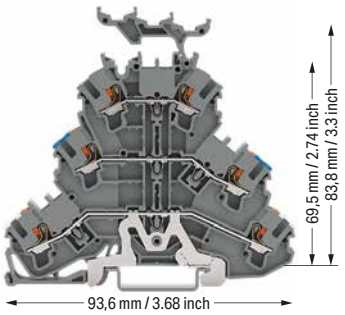
Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2202-3247	50
gray	PE/L/L	2202-3257	50

Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2202-3217	50
gray	PE/L/L	2202-3227	50

Internally commoned levels: No ▸ Number of jumper slots: 6



2202-3248

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2202-3248	50
gray	Shield/L/L	2202-3258	50

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2202-3218	50
gray	Shield/L/L	2202-3228	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

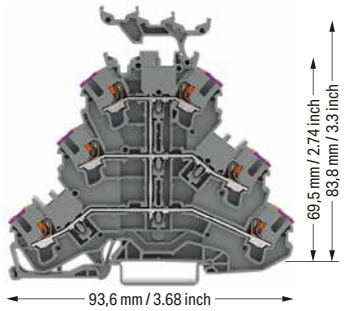
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

1

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2202-3238

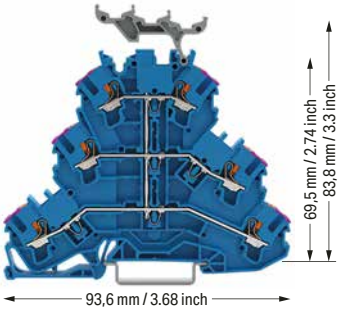
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2202-3238	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2202-3208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2202-3239

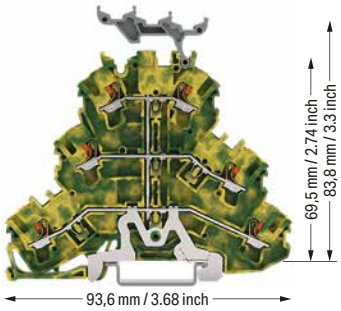
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2202-3239	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2202-3209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2202-3237

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2202-3237	50

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2202-3207	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

Electrical data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	3
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 mm² / 20 AWG
Stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 0.75 mm² / 20 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 mm² / 20 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	3

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

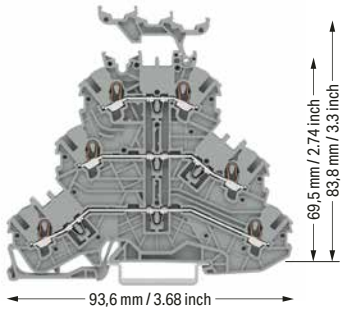
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

Internally commoned levels: No ▸ Number of jumper slots: 6



2000-3231

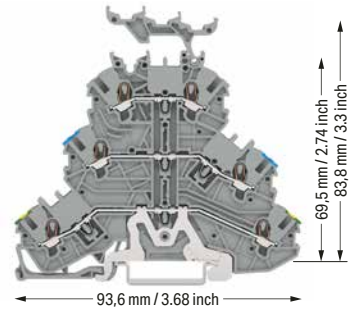
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L/L	2000-3231	40
gray	L/L/N	2000-3233	40
blue	N/N/N	2000-3234	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L/L	2000-3201	40
gray	L/L/N	2000-3203	40
blue	N/N/N	2000-3204	40

Internally commoned levels: No ▸ Number of jumper slots: 6



2000-3247

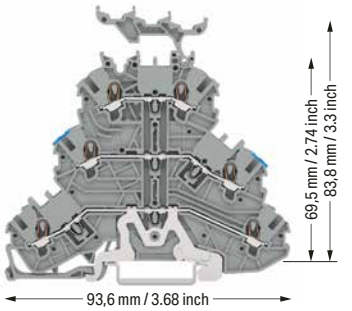
Triple-deck terminal block; Through terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2000-3247	40
gray	PE/L/L	2000-3257	40

Triple-deck terminal block; Through terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2000-3217	40
gray	PE/L/L	2000-3227	40

Internally commoned levels: No ▸ Number of jumper slots: 6



2000-3248

Triple-deck terminal block; Through terminal block; Shield terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2000-3248	40
gray	Shield/L/L	2000-3258	40

Triple-deck terminal block; Through terminal block; Shield terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2000-3218	40
gray	Shield/L/L	2000-3228	40

Accessories; for all products on this page

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-3292	20
gray	2000-3291	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

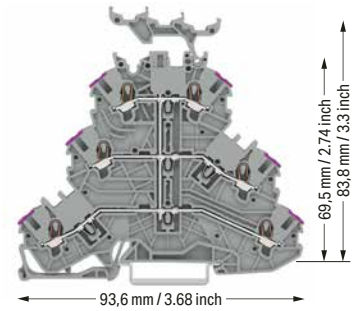
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2000-3238

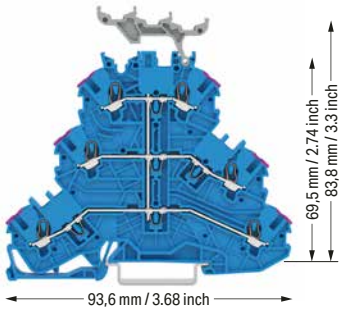
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-3238	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2000-3208	40

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2000-3239

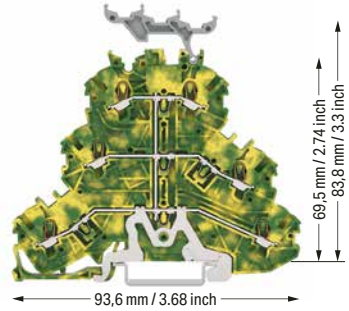
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	L/L/L	2000-3239	40

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2000-3209	40

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2000-3237

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-3237	40

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2000-3207	40

Accessories; for all products on this page

End and intermediate plate; Width: 0.7 mm; snap-on type

Color	Item No.	PU
orange	2000-3292	20
gray	2000-3291	20

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	600 V
Rated current	20 A	20 A	5 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

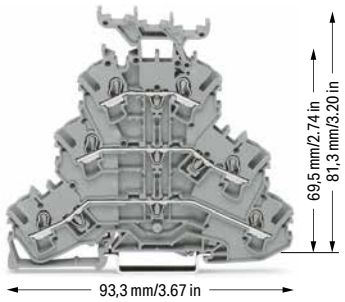
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

Internally commoned levels: No ▸ Number of jumper slots: 6



2002-3231

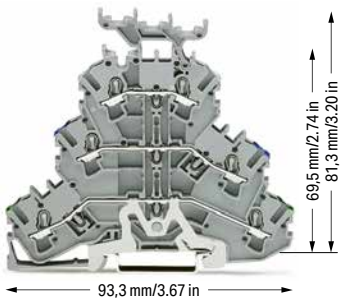
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes

Color	Potential marking	Item No.	PU
gray	L/L/L	2002-3231	50
gray	L/L/N	2002-3233	50
blue	N/N/N	2002-3234	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No

Color	Potential marking	Item No.	PU
gray	L/L/L	2002-3201	50
gray	L/L/N	2002-3203	50
blue	N/N/N	2002-3204	50

Internally commoned levels: No ▸ Number of jumper slots: 6



2002-3247

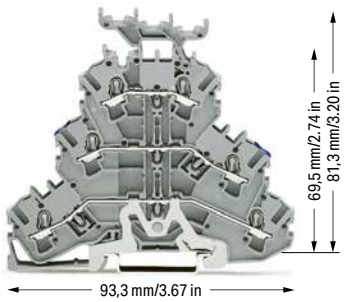
Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2002-3247	50
gray	PE/L/L	2002-3257	50

Triple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N/L	2002-3217	50
gray	PE/L/L	2002-3227	50

Internally commoned levels: No ▸ Number of jumper slots: 6



2002-3248

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2002-3248	50
gray	Shield/L/L	2002-3258	50

Triple-deck terminal block; Shield terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/N/L	2002-3218	50
gray	Shield/L/L	2002-3228	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

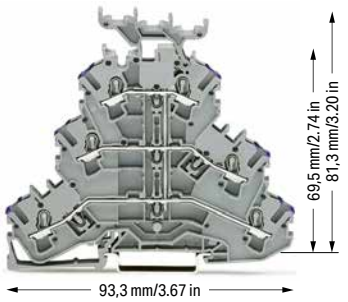
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

1

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2002-3238

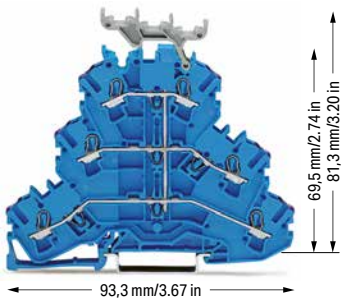
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-3238	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2002-3208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2002-3239

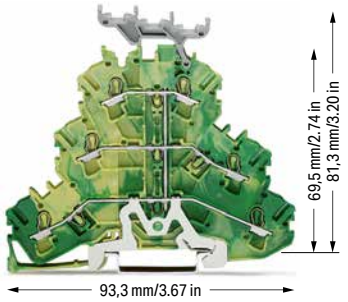
Triple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-3239	50

Triple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2002-3209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 5



2002-3237

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-3237	50

Triple-deck terminal block; Ground terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2002-3207	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Internally commoned levels: No

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	20 A	-	-
Current at conductor cross-section (max.) mm²	25 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Electrical data	
Ratings per	ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	19 A
Rated current (Ex e II) with jumper	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Number of connection points	2
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of connection points	2
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

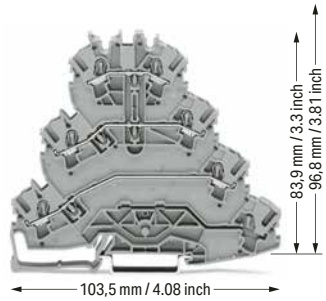
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Through rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Internally commoned levels: No

Number of jumper slots: 3 ▸ Clamping units: 6



2002-4101

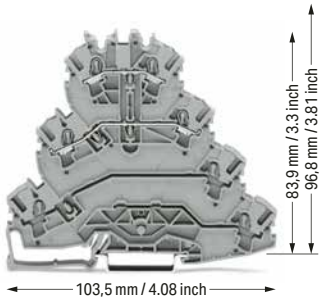
Quadruple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2 - L3	2002-4131	25

Quadruple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2 - L3	2002-4101	25

Number of jumper slots: 2 ▸ Clamping units: 4



2002-4111

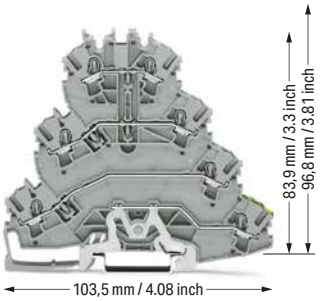
Quadruple-deck terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2	2002-4141	25

Quadruple-deck terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2	2002-4111	25

Number of jumper slots: 3 ▸ Clamping units: 7



2002-4127

Quadruple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2 - L3 - PE	2002-4157	25

Quadruple-deck terminal block; Ground terminal block; Through terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L1 - L2 - L3 - PE	2002-4127	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-4192	100 (25)
gray	2002-4191	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Set ▸ TOPJOB® S ▸ Serie 821

821-153

Electrical interconnection set; L-BOXX® 102; 221 Series & TOPJOB® S with Lever

	Item No.	PU
	821-153	1

Contents

Qty.	Item No.	Description
		COMPACT Splicing Connectors
100	221-412	COMPACT splicing connector; 2 wires; 0.14 … 4 mm²; with levers; transparent
50	221-413	COMPACT splicing connector; 3 wires; 0.14 … 4 mm²; with levers; transparent
25	221-415	COMPACT splicing connector; 5 wires; 0.14 … 4 mm²; with levers; transparent
50	221-612	COMPACT splicing connector; 2 wires; 0.5 … 6 mm²; with levers; transparent
30	221-613	COMPACT splicing connector; 3 wires; 0.5 … 6 mm²; with levers; transparent
15	221-615	COMPACT splicing connector; 5 wires; 0.5 … 6 mm²; with levers; transparent
		TOPJOB® S Rail-Mount Terminal Blocks
60	2102-1201	2-conductor through terminal block; with lever and Push-in CAGE CLAMP®; 0.25 … 2.5 (4) mm²; gray
12	2106-1201	2-conductor through terminal block; with lever and Push-in CAGE CLAMP®; 0.5 … 6 (10) mm²; gray
		Accessories
1	210-110	Felt-tip pen; smudge-proof
5	221-500	Mounting carrier; 221 Series – 4 mm²; for DIN-35 rail/screw mounting; orange
3	221-510	Mounting carrier; 221 Series – 6 mm²; for DIN-35 rail/screw mounting; orange
10	249-116	Screwless end stop; for DIN-35 rail; 6 mm wide; gray
2	793-5501	WMB marker card; plain
2	793-5566	WMB marker card; marking 1 … 50
25	2002-400	Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current: 25 A; light gray
25	2006-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 41 A; light gray
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x 0.8 mm blades
15	2102-1292	End and intermediate plate; for 2-conductor terminal blocks; orange
5	2106-1292	End and intermediate plate; for 2-conductor terminal blocks; orange

821-154

Rail-mount terminal block set; L-BOXX® 102; 20xx, 21xx, 22xx Series

	Item No.	PU
	821-154	1

Contents

Qty.	Item No.	Description
		TOPJOB® S Rail-Mount Terminal Blocks
10	2002-1301	3-conductor through terminal block; with Push-in CAGE CLAMP®; 0.25 … 2.5 (4) mm²; gray
8	2004-1201	2-conductor through terminal block; with Push-in CAGE CLAMP®; 0.5 … 4 (6) mm²; gray
20	2102-1201	2-conductor through terminal block; with lever and Push-in CAGE CLAMP®; 0.25 … 2.5 (4) mm²; gray
6	2102-5301	3-conductor through terminal block; with lever and push-button; 0.25 … 2.5 (4) mm²; gray
2	2102-5304	3-conductor through terminal block; with lever and push-button; 0.25 … 2.5 (4) mm²; blue
2	2102-5307	3-conductor ground terminal block; with lever and push-button; 0.25 … 2.5 (4) mm²; green-yellow
6	2106-5301	3-conductor through terminal block; with lever and push-button; 0.5 … 6 (10) mm²; gray
2	2106-5304	3-conductor through terminal block; with lever and push-button; 0.5 … 6 (10) mm²; blue
2	2106-5307	3-conductor ground terminal block; with lever and push-button; 0.5 … 6 (10) mm²; green-yellow
6	2116-5301	3-conductor through terminal block; with lever and push-button; 0.5 … 16 (25) mm²; gray
2	2116-5304	3-conductor through terminal block; with lever and push-button; 0.5 … 16 (25) mm²; blue
2	2116-5307	3-conductor ground terminal block; with lever and push-button; 0.5 … 16 (25) mm²; green-yellow
25	2200-1401	4-conductor through terminal block; with push-button; 0.14 … 1 (1.5) mm²; gray
10	2202-1301	3-conductor through terminal block; with push-button; 0.25 … 2.5 (4) mm²; gray
8	2204-1201	2-conductor through terminal block; with push-button; 0.5 … 4 (6) mm²; gray
6	2210-1201	2-conductor through terminal block; with push-button; 0.5 … 10 (16) mm²; gray
2	2210-1204	2-conductor through terminal block; with push-button; 0.5 … 10 (16) mm²; blue
2	2210-1207	2-conductor ground terminal block; with push-button; 0.5 … 10 (16) mm²; green-yellow

Contents 821-154 (continued)

Qty.	Item No.	Description
		Accessories
10	249-116	Screwless end stop; for DIN-35 rail; 6 mm wide; gray
25	2000-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 14 A; light gray
10	2000-1491	End and intermediate plate; for 4-conductor terminal blocks; gray
25	2002-400	Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current: 25 A; light gray
25	2002-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 25 A; light gray
10	2002-1391	End and intermediate plate; for 3-conductor terminal blocks; gray
10	2004-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 32 A; light gray
10	2004-1291	End and intermediate plate; for 2-conductor terminal blocks; gray
10	2006-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 41 A; light gray
5	2010-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 57 A; light gray
5	2010-1291	End and intermediate plate; for 2-conductor terminal blocks; gray
10	2016-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 76 A; light gray
10	2102-1291	End and intermediate plate; for 2-conductor terminal blocks; gray
5	2102-1391	End and intermediate plate; for 3-conductor terminal blocks; gray
5	2106-1391	End and intermediate plate; for 3-conductor terminal blocks; gray
5	2116-1391	End and intermediate plate; for 3-conductor terminal blocks; gray

PU = Packaging Unit; SPU = Subpackaging Unit

Set ▸ TOPJOB® S ▸ Serie 821

821-155

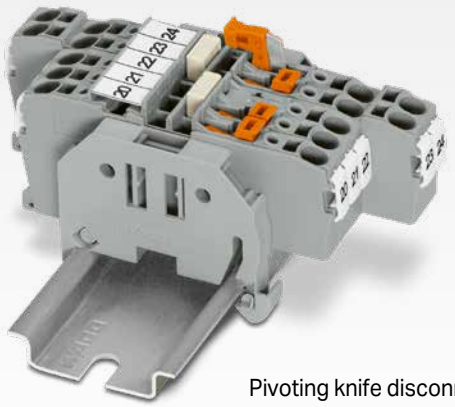
Rail-mount terminal block set; L-BOXX® 102; 2002, 2006, 2016 Series		
	Item No.	PU
	821-155	1

Contents

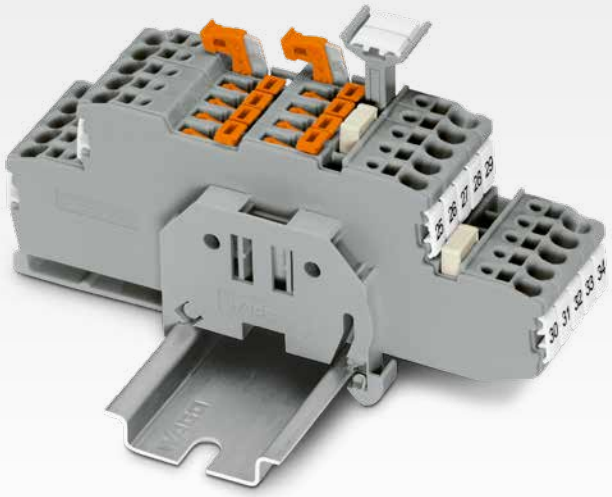
Qty.	Item No.	Description
	TOPJOB® S	Rail-Mount Terminal Blocks
75	2002-1201	2-conductor through terminal block; 0.25 … 2.5 (4) mm²; gray
25	2002-1204	2-conductor through terminal block; 0.25 … 2.5 (4) mm²; blue
25	2002-1207	2-conductor ground terminal block; 0.25 … 2.5 (4) mm²; green-yellow
9	2006-1201	2-conductor through terminal block; 0.5 … 6 (10) mm²; gray
3	2006-1204	2-conductor through terminal block; 0.5 … 6 (10) mm²; blue
3	2006-1207	2-conductor ground terminal block; 0.5 … 6 (10) mm²; green-yellow
12	2016-1201	2-conductor through terminal block; 0.5 … 16 (25) mm²; gray
6	2016-1204	2-conductor through terminal block; 0.5 … 16 (25) mm²; blue
6	2016-1207	2-conductor ground terminal block; 0.5 … 16 (25) mm²; green-yellow
	Accessories	
1	210-110	Felt-tip pen; smudge-proof
1	210-722	Operating tool set; with a partially insulated shaft
5	249-119	Height-adjustable group marker carrier
10	249-117	Screwless end stop; for DIN-35 rail; 10 mm wide; gray
2	793-5501	WMB marker card; plain
2	793-5566	WMB marker card; marking 1 ··· 50
1	793-5472	WMB marker card; Marking L1, L2, L3, N, PE
25	2002-400	Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current: 25 A; light gray
25	2002-1292	End and intermediate plate; for 2-conductor terminal blocks; orange
25	2006-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 41 A; light gray
10	2006-1292	End and intermediate plate; for 2-conductor terminal blocks; orange
1	2009-110	Marking strip; white; 1 m long
5	2009-182	Testing tap; for max. 2.5 mm²
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x 0.8 mm blades
25	2016-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 76 A; light gray
10	2016-1292	End and intermediate plate; for 2-conductor terminal blocks; orange

PU = Packaging Unit; SPU = Subpackaging Unit

Disconnect/Test Terminal Blocks

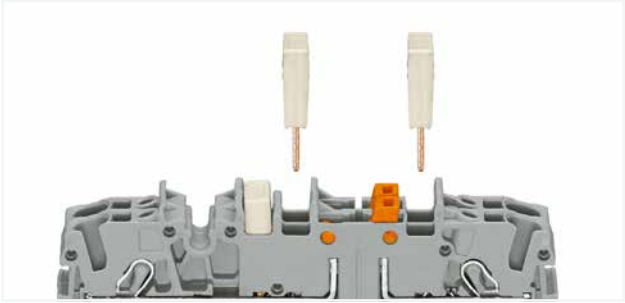


Pivoting knife disconnects clearly indicate the circuit state.



2-, 3- and 4-Conductor Disconnect Terminal Blocks

- Three alternative disconnection options are available: via pivoting knife disconnect and additional mechanical interlock or via disconnect plug.
- Thanks to the same shape as corresponding through terminal blocks, these terminal blocks maintain uniformity in the cabinet and provide clear sightlines.



An additional jumper slot is located behind the knife disconnect:
commoning options in front of or behind the knife disconnect, depending on the power supply direction.

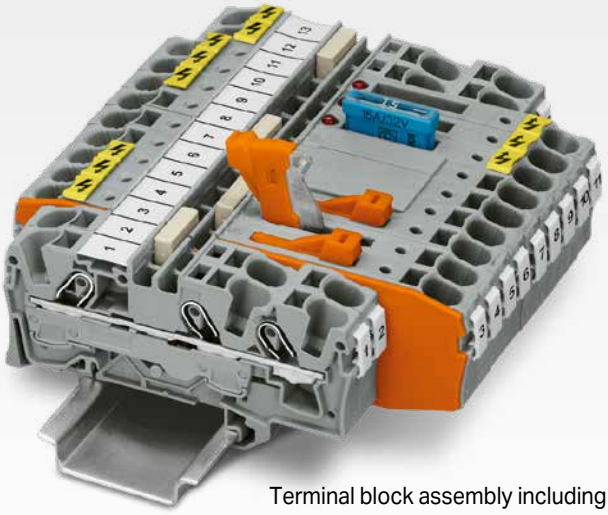
Double-Deck, Double-Disconnect Terminal Blocks

- Two potential-free disconnect terminal blocks are housed on two levels.
- Save space without compromising usability.
- The knife disconnects are located between the conductors, always making them visible to the operator.

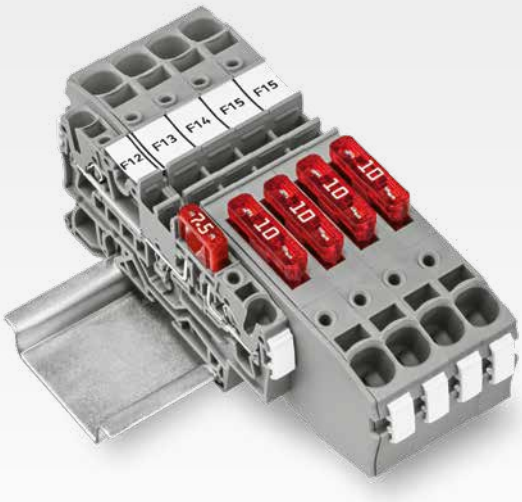
Pivoting marker carriers provide an additional marking location.

Variant:
One disconnect and one through terminal block are accommodated on two levels in a terminal block that is just 5.2 mm (0.205 inch) wide.

Fuse Terminal Blocks



Terminal block assembly including 6 mm² (10 AWG) through and disconnect terminal blocks



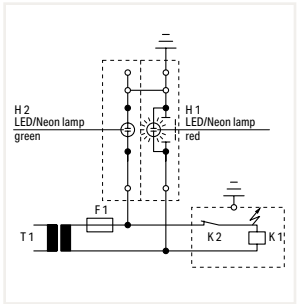
Fuse terminal blocks for DIN 72581-3f blade-style fuses

Disconnect/Ground Conductor Disconnect Terminal Blocks

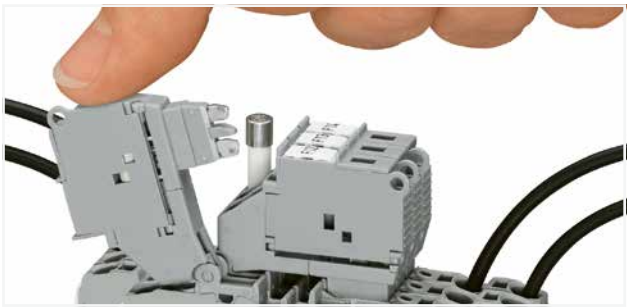
- Perfect for high-voltage or renewable energy applications
- Ground conductor disconnect terminal blocks provide service-friendly testing for potential ground faults
- Both terminal blocks are available for conductors ranging in size from 0.5 mm² to 10 mm² (20–8 AWG).

Fuse Terminal Blocks

- Protect electrical circuits against short-circuiting
- Suitable for miniature metric fuses or blade-style fuses
- Can be assembled into strips and easily replaced if required



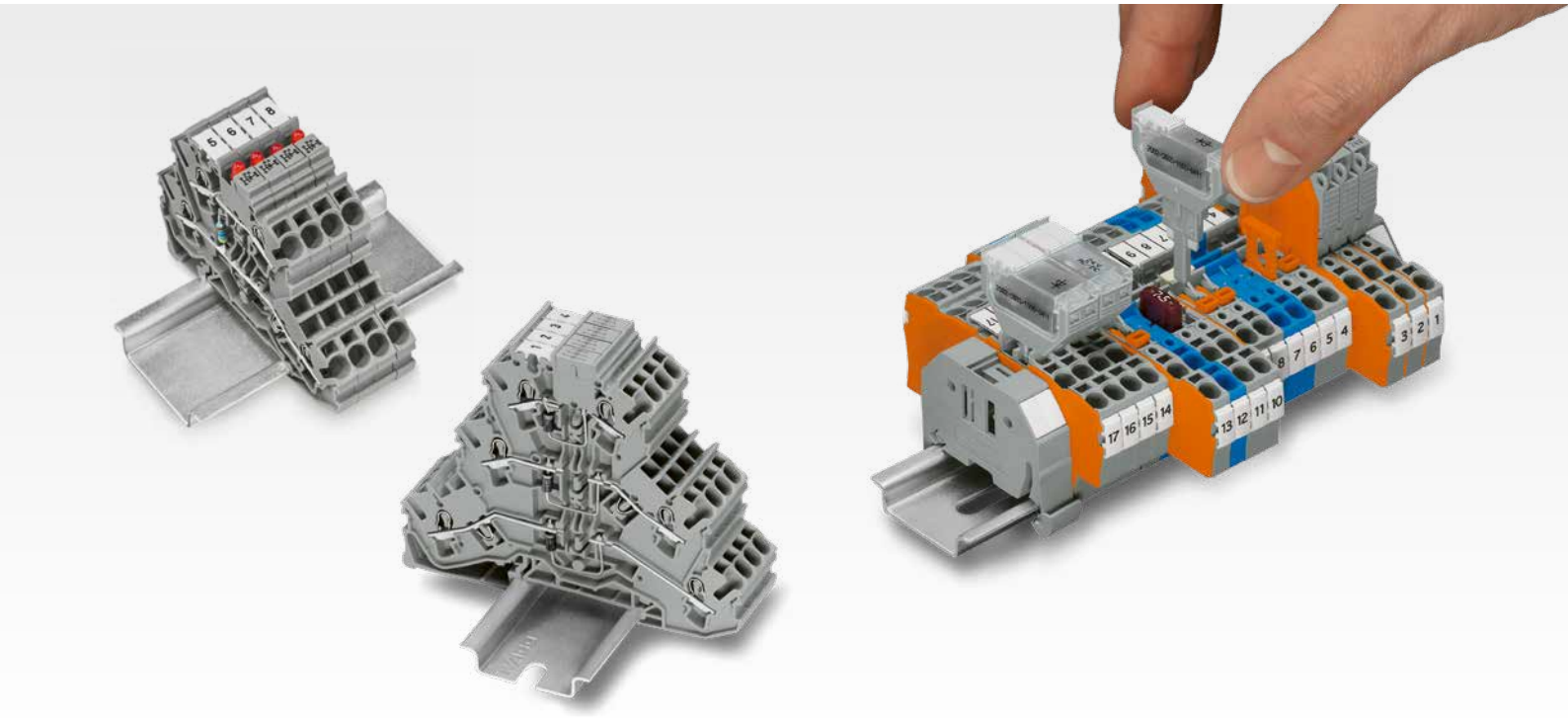
Test position – grounding: slide link open, auxiliary circuit not grounded, red LED/neon lamp lights



Pivot the fuse holder into the locked open position.
Fuse terminal blocks for miniature metric fuses are rated at 2.5 mm² (12 AWG) and 6 mm² (8 AWG).

Ground conductor disconnect terminal block – top view

Diode and LED Terminal Blocks



Double- and Triple-Deck LED and Diode Terminal Blocks

- Design monitoring units (e.g., for control and operating circuits) via LED terminal blocks
- Design custom diode circuits (e.g., lamp test and collective fault signal circuits) using LED terminal blocks
- Design custom circuits via push-in type jumper bars

Pluggable Diode and LED Modules

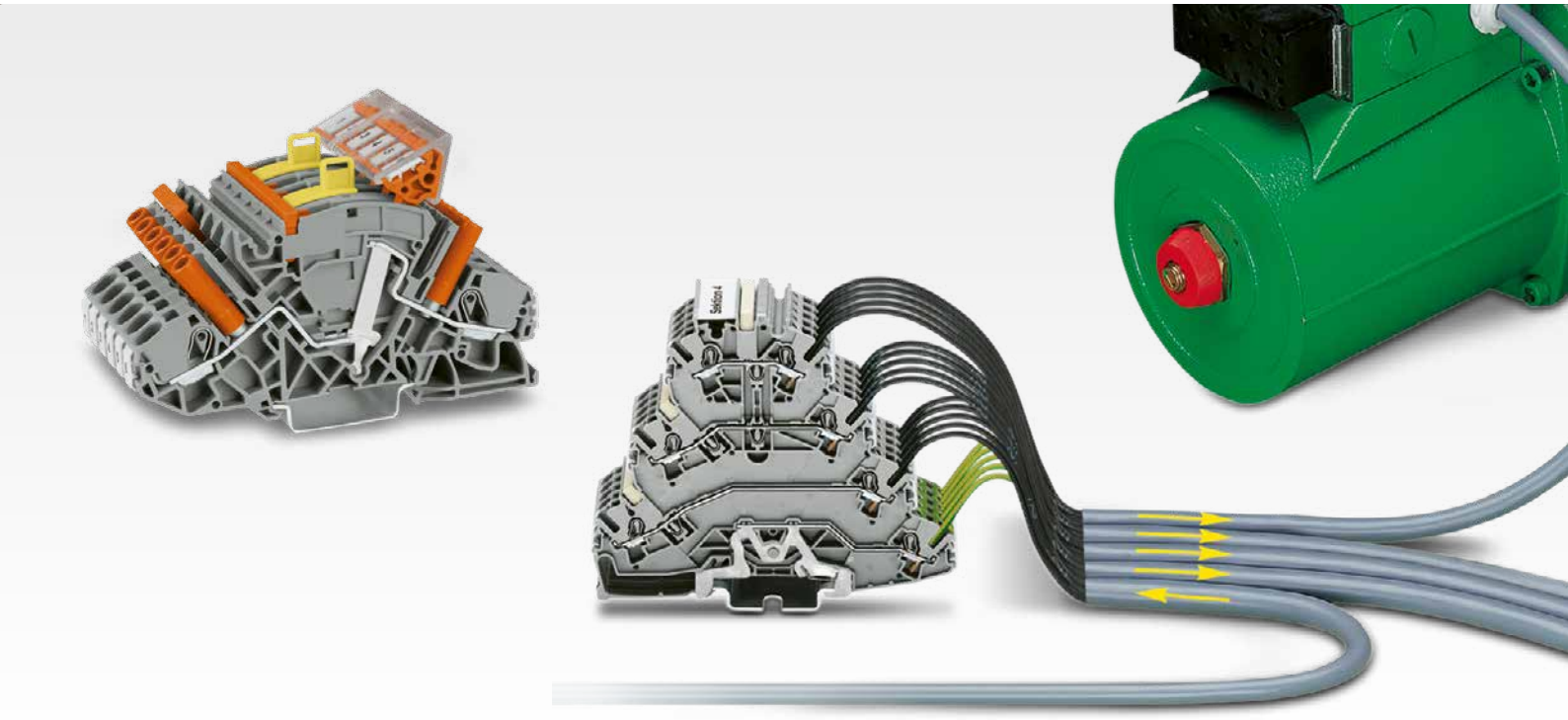
- Component plugs can either be pre-assembled, or the components (e.g., diodes, resistors) can be assembled by the user via solder-free connection
- Available in 5.2 mm or 10.4 mm width for carrier terminal blocks or for use in a jumper slot

LED terminal blocks with a red LED

Labeling via WMB Multi markers and marking strips

Test option available

Current Transformer and Motor Wiring Terminal Blocks



Current Transformer Terminal Blocks

- Safe, automatic short-circuiting
- Easily test current transformer circuits
- Intuitive orange disconnect links simplify operation
- Directly identify the circuit state via an open, touch-proof design
- Can be clearly labeled

Rail-Mount Terminal Blocks for Electric Motor Wiring

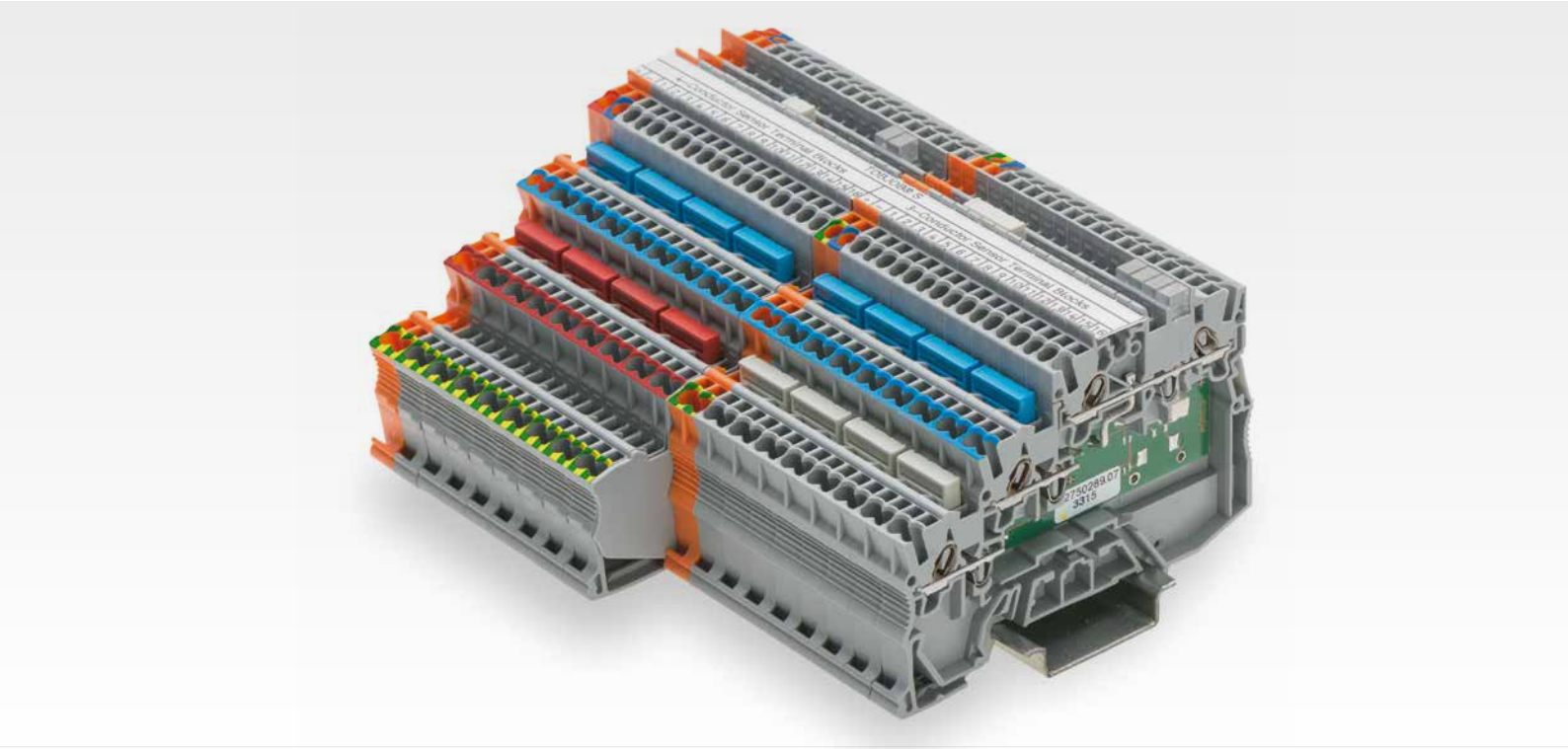
- Quadruple-deck, rail-mount terminal blocks for electric motor wiring
- Compact design: three phases and one ground conductor in a single terminal block
- Specialty versions featuring two or three potentials without a ground contact are also available

Additional commoning option on the transformer side

Identify clamping units via WMB markers and groups via marking strips

Sensor/Actuator Terminal Blocks

Send the Right Signals

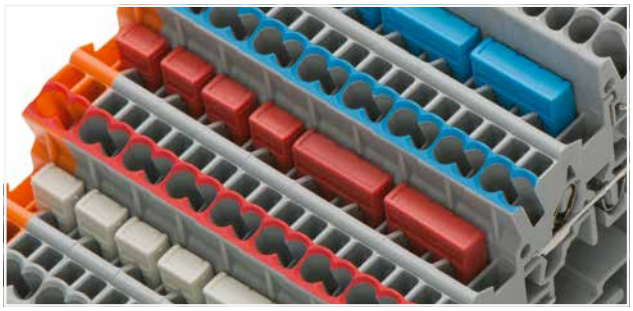


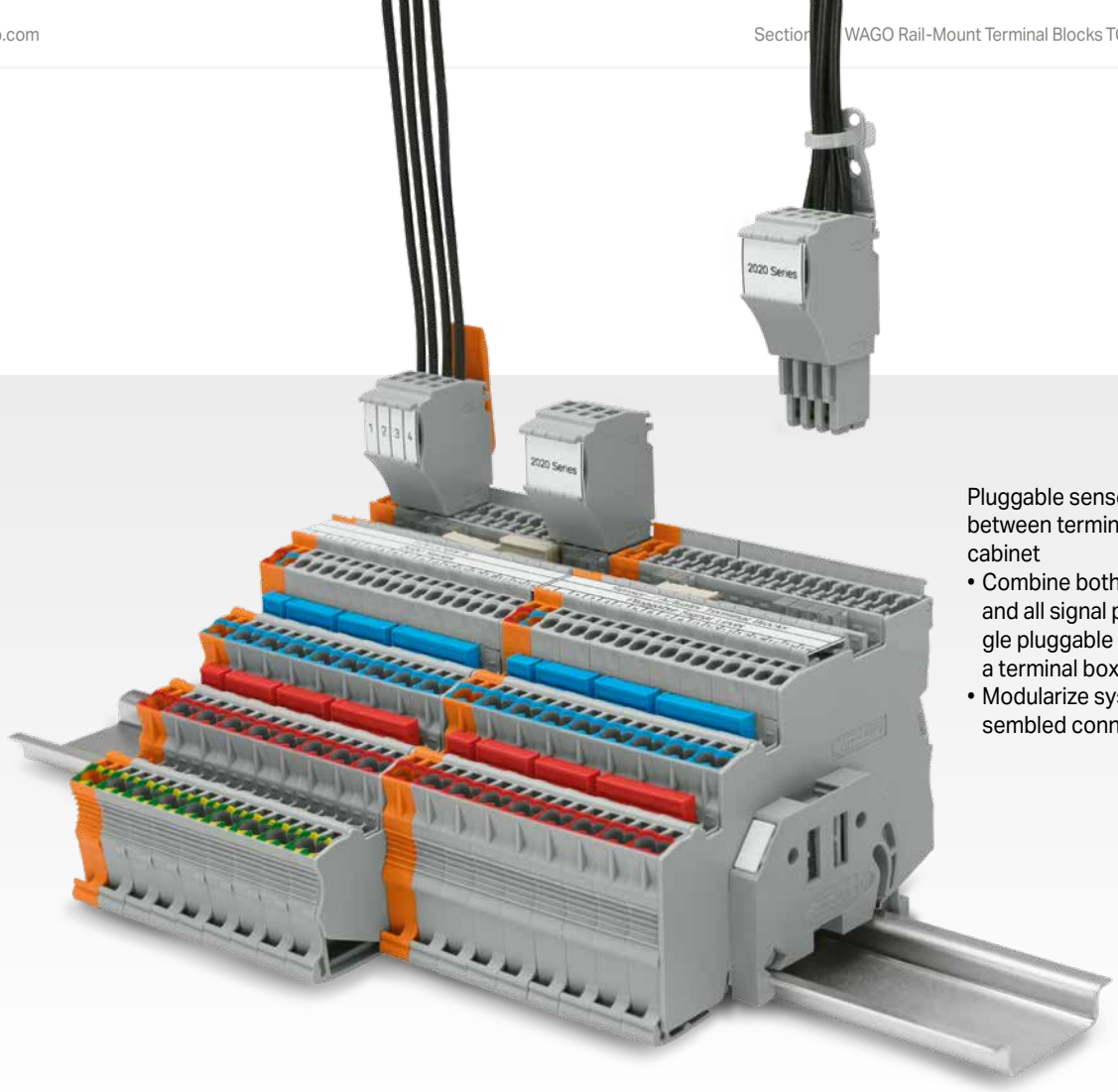
Maximum Signal Density

- Pack several sensors into the smallest possible space using only 3.5 mm per sensor on the DIN-rail
- Ideal for small terminal boxes within a system's decentralized periphery, as well as for centralized installation in the control cabinet

Pluggable Diode and LED Modules

- Commoning with standard jumpers – no pole number limitation
- Color-coded jumpers simplify potential assignment





Pluggable sensor/actuator wiring between terminal box and control cabinet

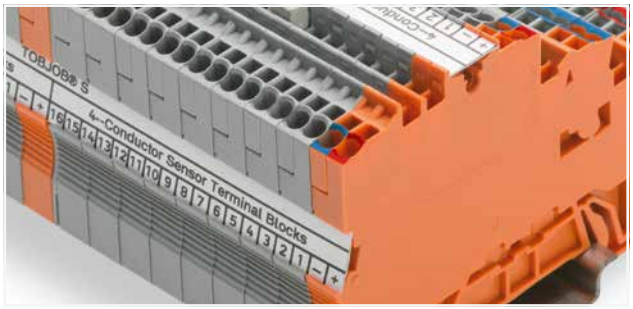
- Combine both power supply and all signal paths into one single pluggable connector within a terminal box
- Modularize systems via pre-assembled connectors

Fastest Marking System

- Clear identification thanks to multi-line marking strips that don't cover the jumper slot
- Easy to read from any angle thanks to two marker slots on the top and side of the terminal strip

LED, Wiring and Marking in Plain View

- LEDs, jumpers and markers are always visible – even when wired
- Streamlined terminal block design provides quick wiring overview and a simplified control layout



Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

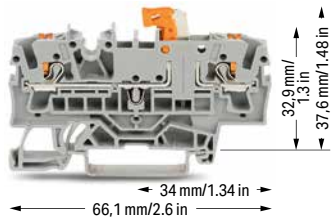
Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2202-1671

Disconnect terminal block

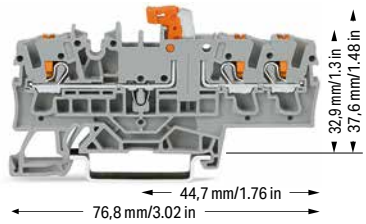
Color	Item No.	PU
gray	2202-1671	50
blue	2202-1674	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2202-1692	100 (25)
gray	2202-1691	100 (25)

Clamping units: 3



2202-1771

Disconnect terminal block

Color	Item No.	PU
gray	2202-1771	50
blue	2202-1774	50
orange	2202-1772	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

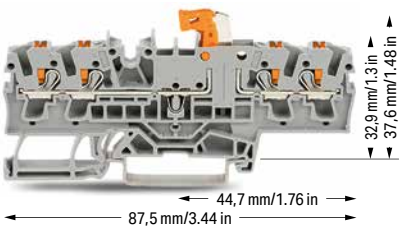
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2202-1871

Disconnect terminal block

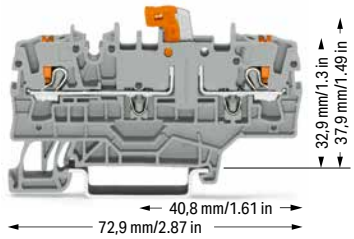
Color	Item No.	PU
gray	2202-1871	50
blue	2202-1874	50
orange	2202-1872	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2202-1971

Disconnect terminal block ▸ Color gray

Color	Item No.	PU
gray	2202-1971	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2

Electrical data			
Electrical ratings are given by the fuse.			
Ratings per	**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	10 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-

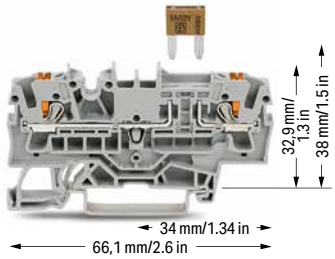
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2

Clamping units: 2



2202-1681

Fuse terminal block ▸ Color gray

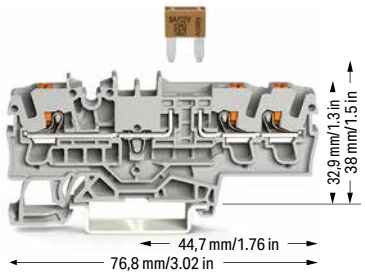
Color	Blown fuse indication	Item No.	PU
gray	-	2202-1681	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

Clamping units: 3



2202-1781

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1781	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm

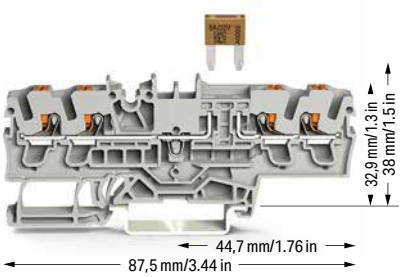
1

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		IEC/EN 60947-7-3		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	10 A	-	-	
Approvals per		UL 1059		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	10 A	10 A	-	
Approvals per		CSA 22.2 No 158		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	10 A	10 A	-	
Connection data				
Connection technology	Push-in CAGE CLAMP®			
Strip length	10 … 12 mm / 0.39 … 0.47 inches			
Connectable conductor materials	Copper			
Nominal cross-section	2.5 mm²			
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG			
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG			
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG			
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG			
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG			
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.			
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Environmental requirements				
Processing temperature	-35 … +85 °C			
Continuous operating temperature	-60 … +105 °C			

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2202-1881

Fuse terminal block ▸ Color gray

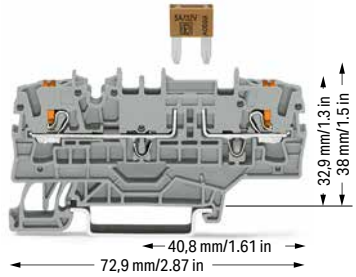
Color	Blown fuse indication	Item No.	PU
gray	-	2202-1881	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2202-1981

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1981	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 2

Electrical data									
Blown fuse indication	12 V			24 V			48 V		
Electrical ratings are given by the fuse and blown fuse indication.									
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	12 V	12 V	-	24 V	24 V	-	48 V	48 V	-
Rated current	10 A	10 A	-	10 A	10 A	-	10 A	10 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	12 V	12 V	-	24 V	24 V	-	48 V	48 V	-
Rated current	10 A	10 A	-	10 A	10 A	-	10 A	10 A	-

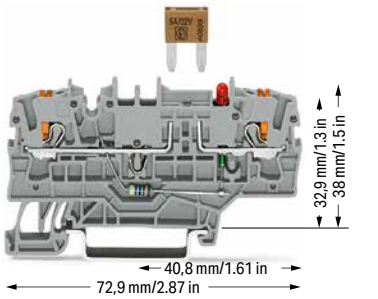
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 2

Blown fuse indication: 12 V



2202-1981/1000-429

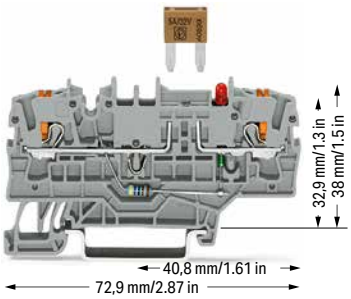
Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 V	2202-1981/1000-429	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 V	2202-1981/1000-449	50

Blown fuse indication: 24 V



2202-1981/1000-429

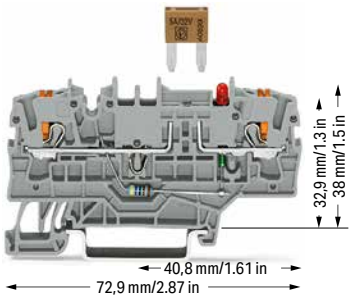
Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	24 V	2202-1981/1000-413	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	24 V	2202-1981/1000-434	50

Blown fuse indication: 48 V



2202-1981/1000-429

Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	48 V	2202-1981/1000-414	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	48 V	2202-1981/1000-435	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

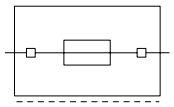
Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

1



Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	10 A	

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

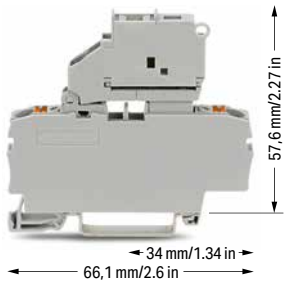
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Clamping units: 2

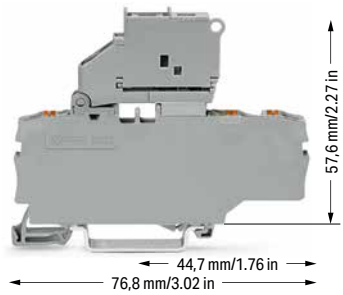


2202-1611

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1611	50

Clamping units: 3



2202-1711

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1711	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

1

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	-	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	10 A	10 A	10 A	10 A

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +70 °C
Continuous operating temperature	-35 … +70 °C
Ambient temperature (operation)	-35 … +70 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

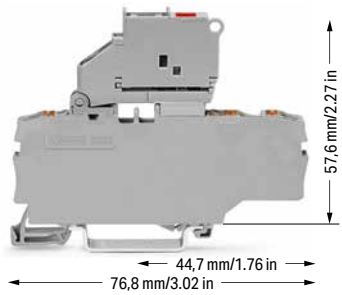
Clamping units: 2

2202-1611/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2202-1611/1000-541	50
gray	30 … 65 V	2202-1611/1000-542	50

Clamping units: 3



2202-1711/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2202-1711/1000-541	50
gray	30 … 65 V	2202-1711/1000-542	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

1

Electrical data						
Blown fuse indication	120 V			230 V		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	120 V			250 V		
Rated current	10 A	10 A	-	10 A	10 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	120 V			250 V		
Rated current	10 A	10 A	10 A	10 A	10 A	10 A

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series

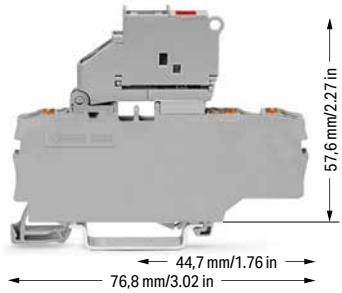
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Clamping units: 2

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2202-1611/1000-867	50
gray	230 V	2202-1611/1000-836	50

Clamping units: 3



2202-1711/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2202-1711/1000-867	50
gray	230 V	2202-1711/1000-836	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

1

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	10 A	

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

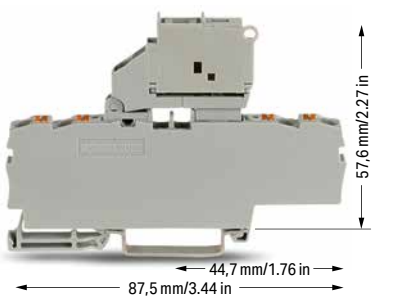
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

Number of jumper slots: 2 ▸ Clamping units: 4

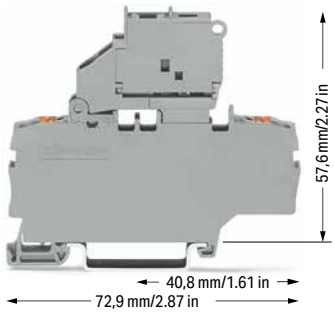


2202-1811

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1811	50
orange	-	2202-1812	50

Number of jumper slots: 3 ▸ Clamping units: 2



2202-1911

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2202-1911	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

1

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	-	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	10 A	10 A	10 A	10 A

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +70 °C
Continuous operating temperature	-35 … +70 °C
Ambient temperature (operation)	-35 … +70 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

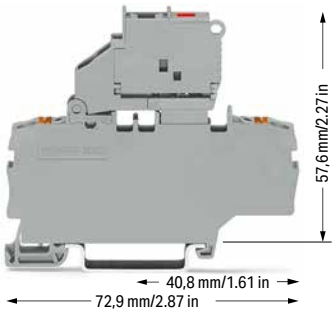
Number of jumper slots: 2 ▸ Clamping units: 4

2202-1811/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2202-1811/1000-541	50
gray	30 … 65 V	2202-1811/1000-542	50

Number of jumper slots: 3 ▸ Clamping units: 2



Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2202-1911/1000-541	50
gray	30 … 65 V	2202-1911/1000-542	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

1

Electrical data						
Blown fuse indication	120 V			230 V		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	120 V			250 V		
Rated current	10 A	10 A	-	10 A	10 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	120 V			250 V		
Rated current	10 A	10 A	10 A	10 A	10 A	10 A

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm

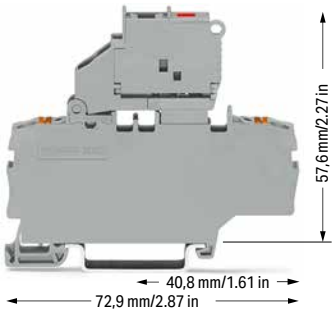
Number of jumper slots: 2 ▸ Clamping units: 4

2202-1811/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2202-1811/1000-867	50
gray	230 V	2202-1811/1000-836	50

Number of jumper slots: 3 ▸ Clamping units: 2



Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2202-1911/1000-867	50
gray	230 V	2202-1911/1000-836	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

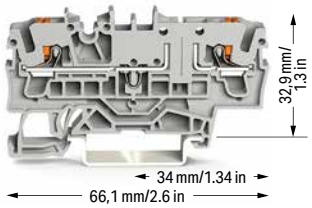
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306, 308
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2202-1661

Carrier terminal block for modules and plugs ▸ Color gray

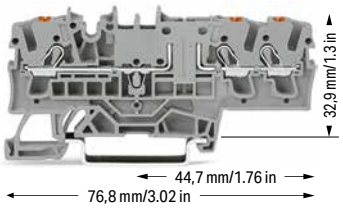
Color	Item No.	PU
gray	2202-1661	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

Clamping units: 3



2202-1761

Carrier terminal block for modules and plugs ▸ Color gray

Color	Item No.	PU
gray	2202-1761	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

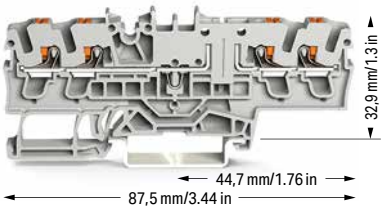
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306, 308
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2202-1861

Carrier terminal block for modules and plugs ▸ Color gray

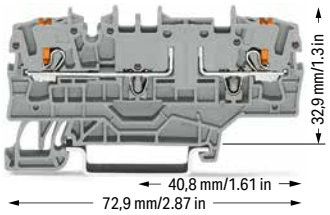
Color	Item No.	PU
gray	2202-1861	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2202-1961

Carrier terminal block for modules and plugs

Color	Item No.	PU
gray	2202-1961	50
orange	2202-1962	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Electrical data						
Clamping units	2			3		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	300 V	-	300 V	300 V	-
Rated current	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	300 V	300 V	-	300 V	300 V	-
Rated current	10 A	10 A	-	15 A	15 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

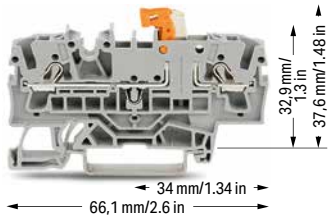
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2002-1671

Disconnect terminal block

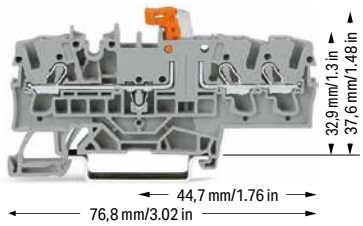
Color	Item No.	PU
gray	2002-1671	50
blue	2002-1674	50
orange	2002-1672	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

Clamping units: 3



2002-1771

Disconnect terminal block

Color	Item No.	PU
gray	2002-1771	50
blue	2002-1774	50
orange	2002-1772	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data						
Number of jumper slots	2			3		
Clamping units	4			2		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	16 A	-	-	16 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	300 V	-	300 V	300 V	-
Rated current	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	300 V	300 V	-	300 V	300 V	-
Rated current	15 A	15 A	-	10 A	10 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

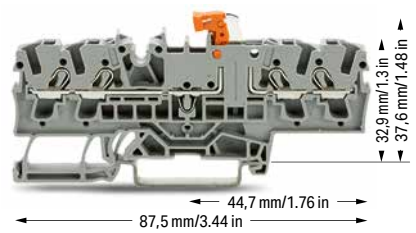
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2002-1871

Disconnect terminal block

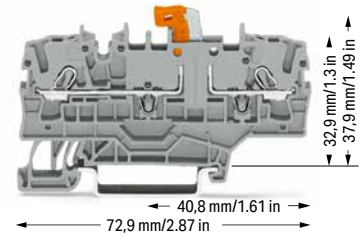
Color	Item No.	PU
gray	2002-1871	50
blue	2002-1874	50
orange	2002-1872	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2002-1971

Disconnect terminal block

Color	Item No.	PU
gray	2002-1971	50
blue	2002-1974	50
orange	2002-1972	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		IEC/EN 60947-7-3		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	10 A	-	-	
Approvals per		UL 1059		
Use group	B	C	D	
Rated voltage		300 V		
Rated current	10 A	10 A	10 A	

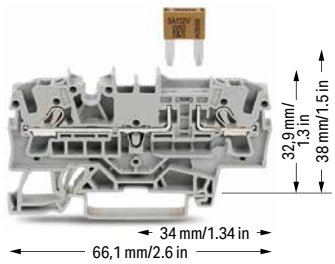
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2

Clamping units: 2



2002-1681

Fuse terminal block ▸ Color gray

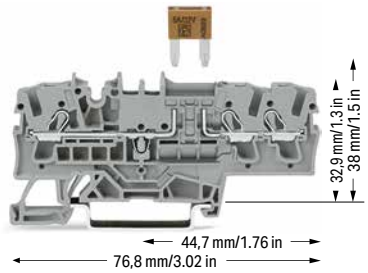
Color	Blown fuse indication	Item No.	PU
gray	-	2002-1681	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

Clamping units: 3



2002-1781

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1781	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm

Electrical data						
Number of jumper slots	2			3		
Electrical ratings are given by the fuse.						
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V			250 V	250 V	-
Rated current	10 A	10 A	10 A	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

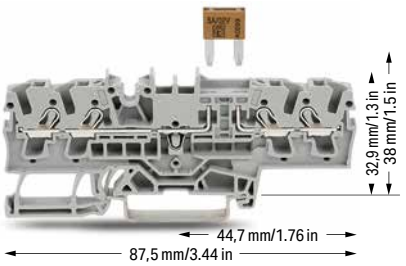
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2002-1881

Fuse terminal block ▸ Color gray

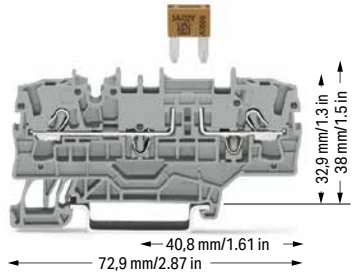
Color	Blown fuse indication	Item No.	PU
gray	-	2002-1881	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2002-1981

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1981	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Electrical data									
Blown fuse indication	12 V			24 V			48 V		
Electrical ratings are given by the fuse and blown fuse indication.									
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	400 V	-	-	400 V	-	-	400 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-	6 kV	-	-
Rated current	10 A	-	-	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	12 V	12 V	-	24 V	24 V	-	48 V	48 V	-
Rated current	10 A	10 A	-	10 A	10 A	-	10 A	10 A	-

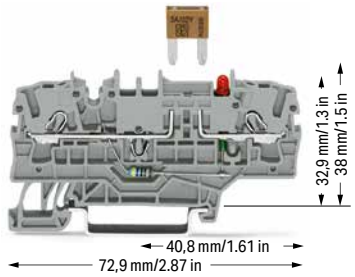
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Mini flat plug-in fuse; 10.9 x 3.6 x 16.3 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Blown fuse indication: 12 V



2002-1981/1000-429

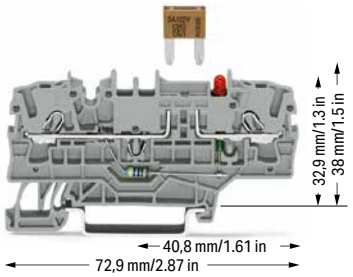
Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 V	2002-1981/1000-429	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 V	2002-1981/1000-449	50

Blown fuse indication: 24 V



2002-1981/1000-413

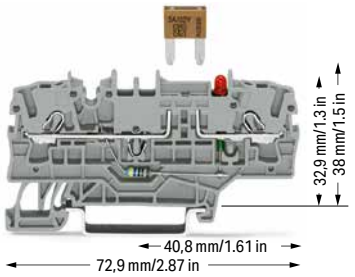
Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	24 V	2002-1981/1000-413	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	24 V	2002-1981/1000-434	50

Blown fuse indication: 48 V



Fuse terminal block ▸ Right-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	48 V	2002-1981/1000-414	50

Fuse terminal block ▸ Left-side anode ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	48 V	2002-1981/1000-435	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

1

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per	**IEC/EN 60947-7-3**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	10 A	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	-	250 V	-	
Rated current	-	6.3 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517, 525
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

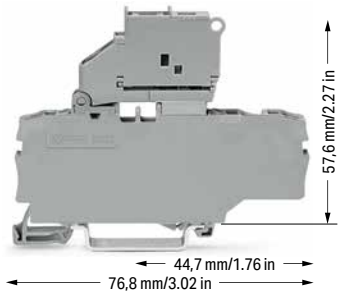
Clamping units: 2

2002-1611

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1611	50
orange	-	2002-1612	50

Clamping units: 3



2002-1711

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1711	50
blue	-	2002-1714	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	10 A	10 A	10 A	10 A
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	-	30 V	-	-	65 V	-
Rated current	-	6.3 A	-	-	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +70 °C
Continuous operating temperature	-35 … +70 °C
Ambient temperature (operation)	-35 … +70 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

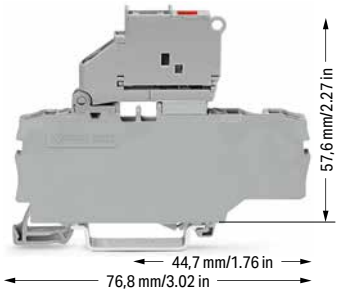
Clamping units: 2

2002-1611/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2002-1611/1000-541	50
gray	30 … 65 V	2002-1611/1000-542	50

Clamping units: 3



2002-1711/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2002-1711/1000-541	50
gray	30 … 65 V	2002-1711/1000-542	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Electrical data						
Blown fuse indication	**120 V**			**230 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage		120 V			250 V	
Rated current	10 A	10 A	10 A	10 A	10 A	10 A
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	-	120 V	-	-	250 V	-
Rated current	-	6.3 A	-	-	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

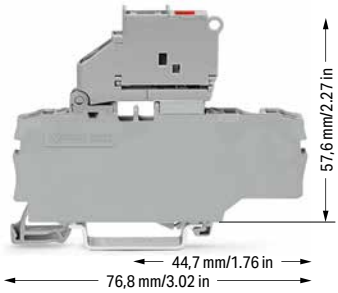
Clamping units: 2

2002-1611/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2002-1611/1000-867	50
gray	230 V	2002-1611/1000-836	50

Clamping units: 3



2002-1711/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2002-1711/1000-867	50
gray	230 V	2002-1711/1000-836	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

1

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage		250 V		
Rated current	10 A	10 A	10 A	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	-	250 V	-	
Rated current	-	6.3 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517, 525
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

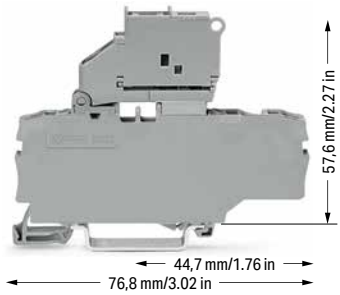
Clamping units: 2

2002-1611

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1611	50
orange	-	2002-1612	50

Clamping units: 3



2002-1711

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2002-1711	50
blue	-	2002-1714	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage		30 V			65 V	
Rated current	10 A	10 A	10 A	10 A	10 A	10 A
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	-	30 V	-	-	65 V	-
Rated current	-	6.3 A	-	-	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +70 °C
Continuous operating temperature	-35 … +70 °C
Ambient temperature (operation)	-35 … +70 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

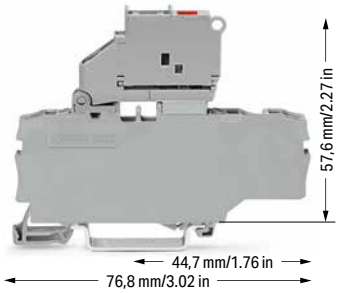
Clamping units: 2

2002-1611/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2002-1611/1000-541	50
gray	30 … 65 V	2002-1611/1000-542	50

Clamping units: 3



2002-1711/1000-541

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2002-1711/1000-541	50
gray	30 … 65 V	2002-1711/1000-542	50

1

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

Electrical data						
Blown fuse indication	120 V			230 V		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	120 V			250 V		
Rated current	10 A	10 A	10 A	10 A	10 A	10 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	120 V	-	-	250 V	-
Rated current	-	6.3 A	-	-	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 2

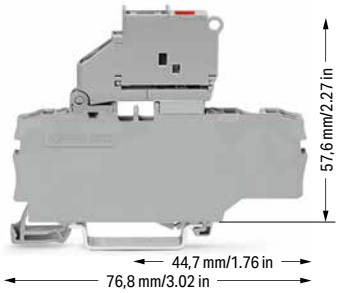
Clamping units: 2

2002-1611/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2002-1611/1000-867	50
gray	230 V	2002-1611/1000-836	50

Clamping units: 3



2002-1711/1000-867

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2002-1711/1000-867	50
gray	230 V	2002-1711/1000-836	50

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 120 mm

Color	Item No.	PU (SPU)
orange	209-191	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-992	100 (25)
gray	2002-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

1

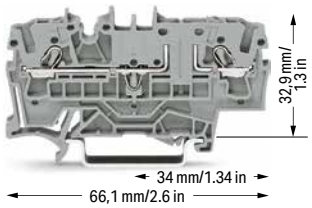
Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 2



2002-1661

Carrier terminal block for modules and plugs ▸ Color gray

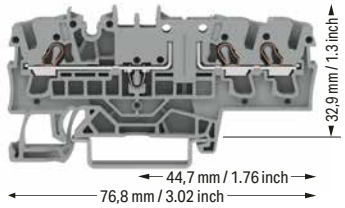
Color	Item No.	PU
gray	2002-1661	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

Clamping units: 3



2002-1761

Carrier terminal block for modules and plugs ▸ Color gray

Color	Item No.	PU
gray	2002-1761	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

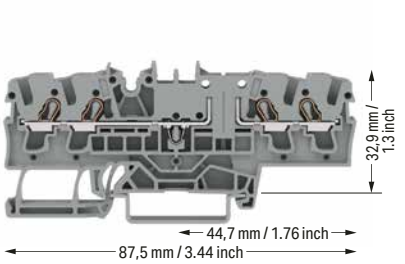
Electrical data				
Ratings per		**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Number of jumper slots: 2 ▸ Clamping units: 4



2002-1861

Carrier terminal block for modules and plugs ▸ Color gray

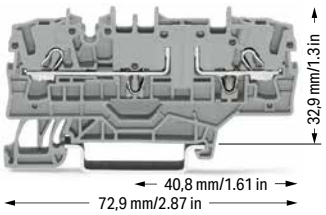
Color	Item No.	PU
gray	2002-1861	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

Number of jumper slots: 3 ▸ Clamping units: 2



2002-1961

Carrier terminal block for modules and plugs ▸ Color gray

Color	Item No.	PU
gray	2002-1961	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

Electrical data			
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	30 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

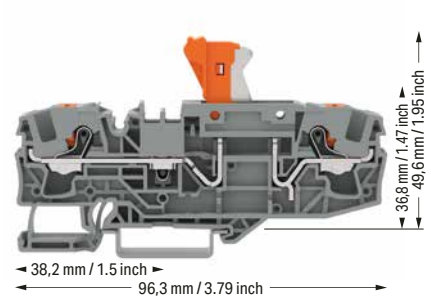
Note:
The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA.

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2



2206-1671

Disconnect terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2206-1671	25
blue	-	2206-1674	25
orange	-	2206-1672	25
red	-	2206-1673	25
black	-	2206-1675	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

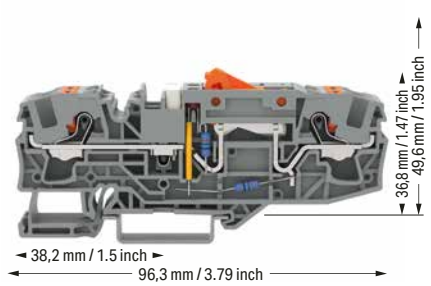
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



2206-1671/1000-848

Disconnect terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	24 V	2206-1671/1000-848	12
gray	48 V	2206-1671/1000-849	12
gray	120 V	2206-1671/1000-850	12
gray	230 V	2206-1671/1000-851	12

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

1

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per	**IEC/EN 60947-7-3**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	10 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	
Connection data				
Connection technology	Push-in CAGE CLAMP®			
Strip length	13 … 15 mm / 0.51 … 0.59 inches			
Connectable conductor materials	Copper			
Nominal cross-section	6 mm²			
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG			
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG			
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG			
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG			
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.			
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Environmental requirements				
Processing temperature	-35 … +85 °C			
Continuous operating temperature	-60 … +105 °C			

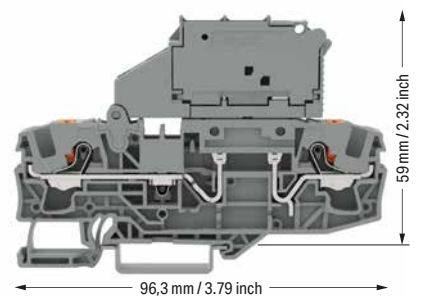
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

Cylindrical fuse; 5 x 20 mm

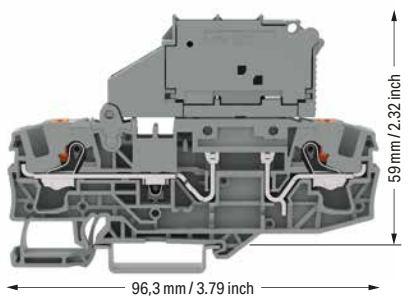


2206-1611

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2206-1611	25
orange	-	2206-1612	25
black	-	2206-1615	25

Cylindrical fuse; 5 x 30 mm

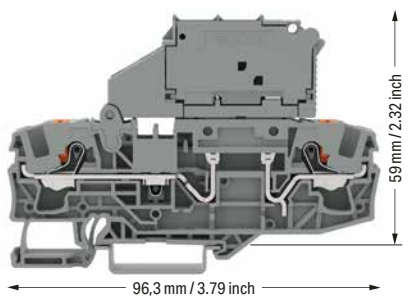


2206-1621

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2206-1621	25
blue	-	2206-1624	25
orange	-	2206-1622	25

Cylindrical fuse; ¼" x 1¼"



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2206-1631	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

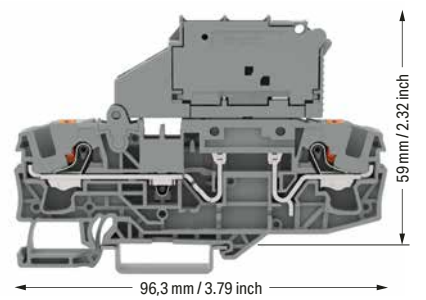
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

1

Cylindrical fuse; 5 x 20 mm

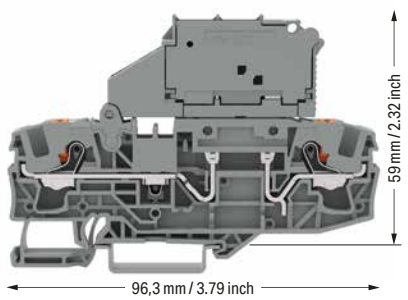


2206-1611

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2206-1611/1000-541	25
gray	30 … 65 V	2206-1611/1000-542	25

Cylindrical fuse; 5 x 30 mm

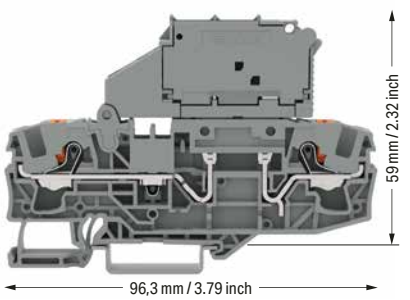


2206-1621

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2206-1621/1000-541	25
gray	30 … 65 V	2206-1621/1000-542	25

Cylindrical fuse; ¼" x 1¼"



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2206-1631/1000-541	25
gray	30 … 65 V	2206-1631/1000-542	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

1

Electrical data									
Blown fuse indication	120 V			230 V			380 … 500 V		
Electrical ratings are given by the fuse and blown fuse indication.									
Leakage current in case of a blown fuse: LED 2 mA									
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

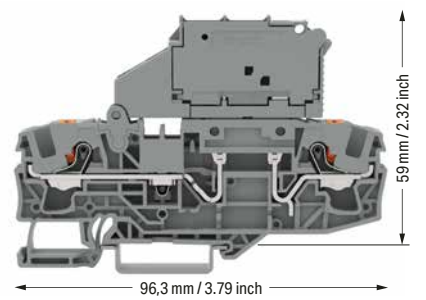
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

1

Cylindrical fuse; 5 x 20 mm

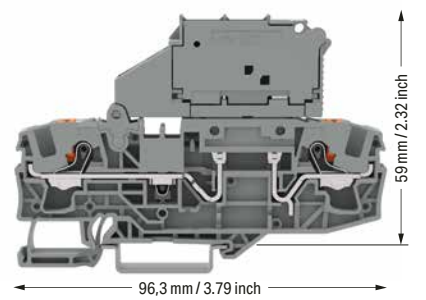


2206-1611

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2206-1611/1000-867	25
gray	230 V	2206-1611/1000-836	25

Cylindrical fuse; 5 x 30 mm

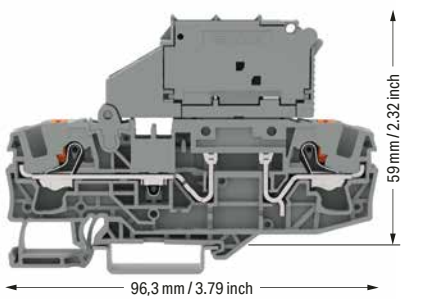


2206-1621

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2206-1621/1000-867	25
gray	230 V	2206-1621/1000-836	25
gray	380 … 500 V	2206-1621/1000-859	25

Cylindrical fuse; ¼" x 1¼"



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2206-1631/1000-867	25
gray	230 V	2206-1631/1000-836	25
gray	380 … 500 V	2206-1631/1000-859	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2

Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	10 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	
Connection data				
Connection technology	Push-in CAGE CLAMP®			
Strip length	13 … 15 mm / 0.51 … 0.59 inches			
Connectable conductor materials	Copper			
Nominal cross-section	6 mm²			
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG			
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG			
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG			
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG			
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG			
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.			
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Environmental requirements				
Processing temperature	-35 … +50 °C			
Continuous operating temperature	-60 … +50 °C			

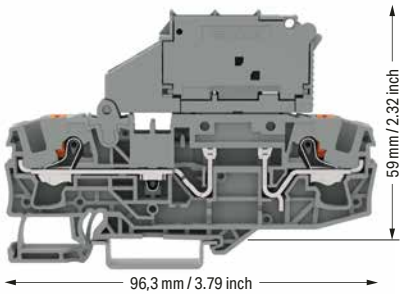
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2206-1631/099-000	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2

Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

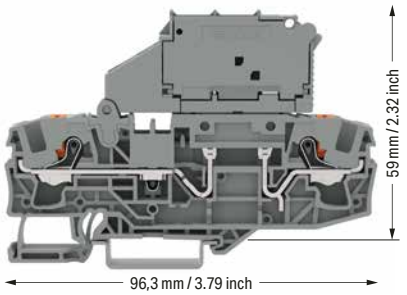
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2206-1631/1099-541	25
gray	30 … 65 V	2206-1631/1099-542	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2

Electrical data									
Blown fuse indication	120 V			230 V			380 … 500 V		
Electrical ratings are given by the fuse and blown fuse indication.									
Leakage current in case of a blown fuse: LED 2 mA									
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

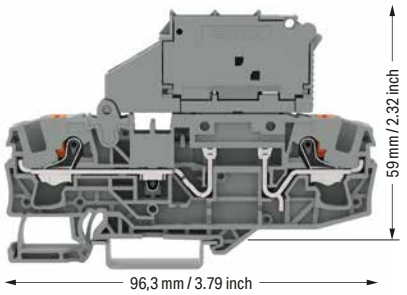
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Clamping units: 2



2206-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2206-1631/1099-867	25
gray	230 V	2206-1631/1099-836	25
gray	380 … 500 V	2206-1631/1099-859	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	30 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

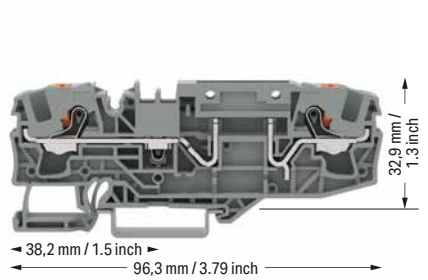
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Plug	Page 310
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Clamping units: 2



Carrier terminal block for modules and plugs

Color	Item No.	PU
gray	2206-1661	25
blue	2206-1664	25
orange	2206-1662	25
red	2206-1663	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Electrical data				
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	30 A	30 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	30 A	30 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

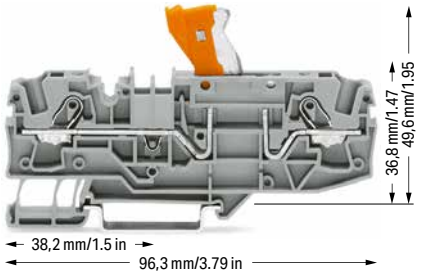
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2



2006-1671

Disconnect terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2006-1671	25
blue	-	2006-1674	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4

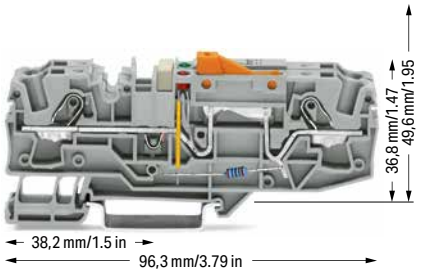
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

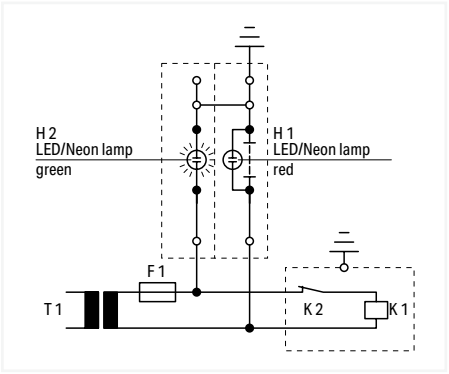
Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



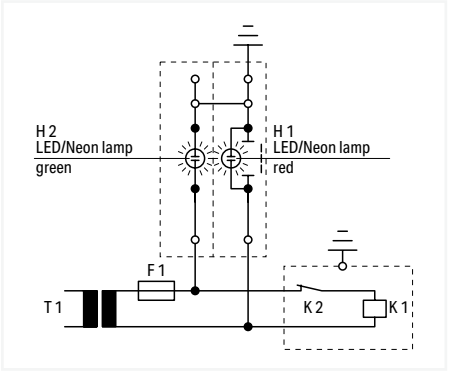
2006-1671/1000-848

Disconnect terminal block ▸ Color gray

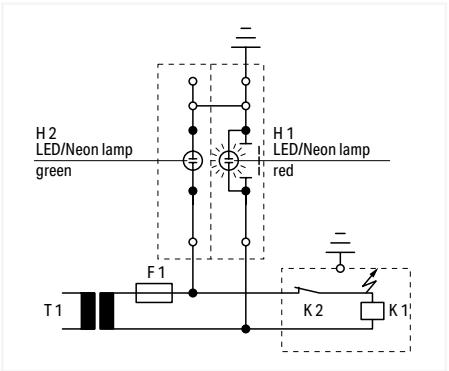
Color	Blown fuse indication	Item No.	PU
gray	24 V	2006-1671/1000-848	12
gray	48 V	2006-1671/1000-849	12
gray	120 V	2006-1671/1000-850	12
gray	230 V	2006-1671/1000-851	12



Operation
Slide link closed, auxiliary circuit grounded, green LED/ neon lamp illuminates.



Test Condition – No Ground Fault
Slide link open, auxiliary circuit not grounded.



Test Condition – Ground Fault
Slide link open, auxiliary circuit not grounded, red LED/ neon lamp illuminates.

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

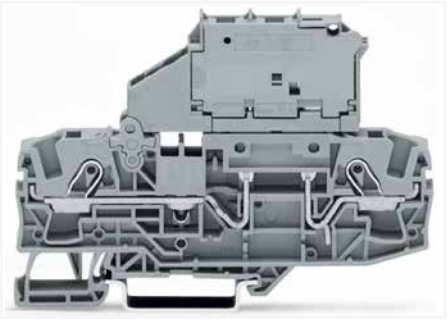
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

1



Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	800 V	-	-	
Rated surge voltage	8 kV	-	-	
Rated current	10 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

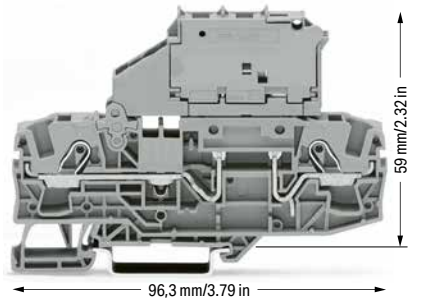
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Cylindrical fuse; 5 x 20 mm

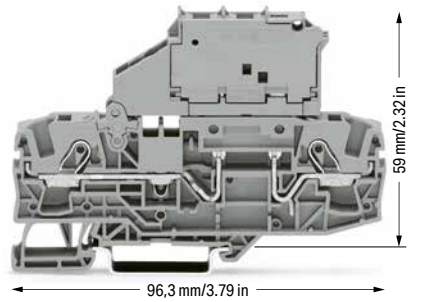


2006-1611

Fuse terminal block

Color	Blown fuse indication	Item No.	PU
gray	-	2006-1611	25
orange	-	2006-1612	25

Cylindrical fuse; 5 x 30 mm

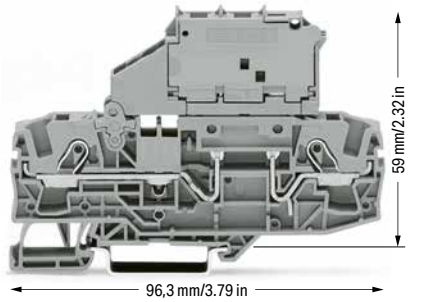


2006-1621

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2006-1621	25

Cylindrical fuse; ¼" x 1¼"



2006-1631

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2006-1631	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

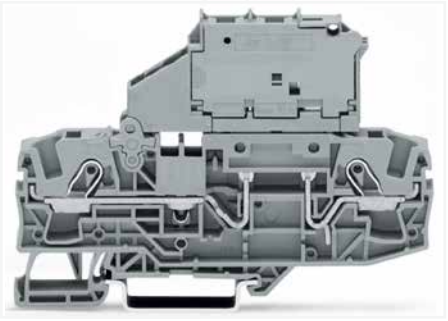
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2

1



Electrical data			
Electrical ratings are given by the fuse.			
Ratings per	**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	10 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

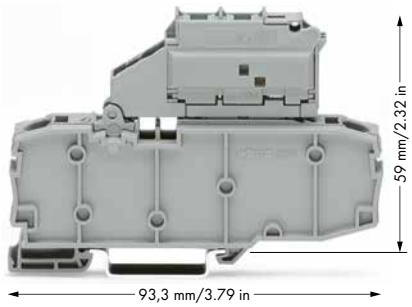
Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2



Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	-	2006-1631/099-000	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

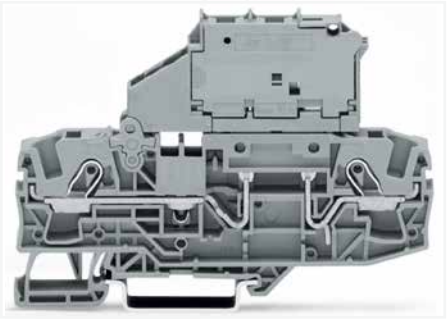
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2

1



Electrical data						
Blown fuse indication	12 … 30 V			30 … 65 V		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	12 … 30 V	2006-1631/1099-541	25
gray	30 … 65 V	2006-1631/1099-542	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

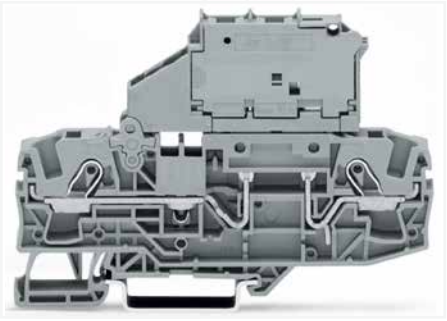
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2

1



Electrical data									
Blown fuse indication	120 V			230 V			380 … 500 V		
Electrical ratings are given by the fuse and blown fuse indication.									
Leakage current in case of a blown fuse: LED 2 mA									
Ratings per	IEC/EN 60947-7-3			IEC/EN 60947-7-3			IEC/EN 60947-7-3		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-	8 kV	-	-
Rated current	10 A	-	-	10 A	-	-	10 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	120 V	120 V	-	230 V	230 V	-	500 V	500 V	-
Rated current	15 A	15 A	-	15 A	15 A	-	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +50 °C
Continuous operating temperature	-60 … +50 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 512
Locking system	Page 249
Marking	Page 554
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series

Operating tool ▸ 6 mm² ▸ Width: 10.4 mm ▸ Cylindrical fuse; ¼" x 1¼" ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Fuse terminal block ▸ Color gray

Color	Blown fuse indication	Item No.	PU
gray	120 V	2006-1631/1099-867	25
gray	230 V	2006-1631/1099-836	25
gray	380 … 500 V	2006-1631/1099-859	25

Accessories; for all products on this page

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-992	100 (25)
gray	2006-991	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-3	2002-433	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	30 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-

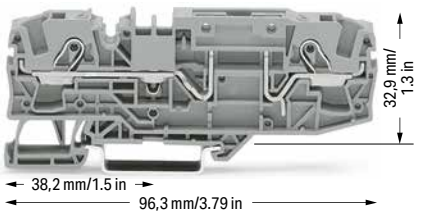
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Plug	Page 310
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2



2006-1661

Carrier terminal block for modules and plugs

Color	Item No.	PU
gray	2006-1661	25
blue	2006-1664	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-1692	100 (25)
gray	2006-1691	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	-	-
Rated surge voltage	12 kV	-	-
Rated current	30 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	30 A	30 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	1000 V	-
Rated current	30 A	30 A	-

Electrical data (general)	
Voltage type 1	AC/DC
Voltage type 2	DC

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

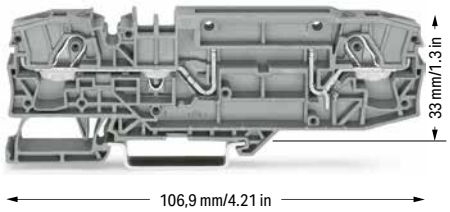
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Cover	Page 539
DIN-rail	Page 582
Installation	Page 588
Marking	Page 554
Plug	Page 538
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 15 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2



2006-8661

Carrier terminal block for modules and plugs

Color	Item No.	PU
gray	2006-8661	12
blue	2006-8664	12

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-8692	48 (12)
gray	2006-8691	48 (12)

Push-in type jumper bar; light gray

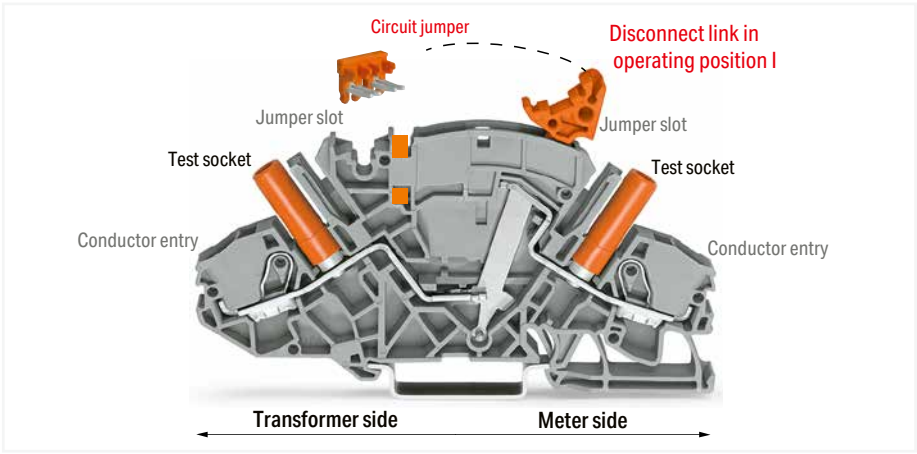
Jumper assignment	Item No.	PU
1-3	2006-433	25
1-5	2006-435	25

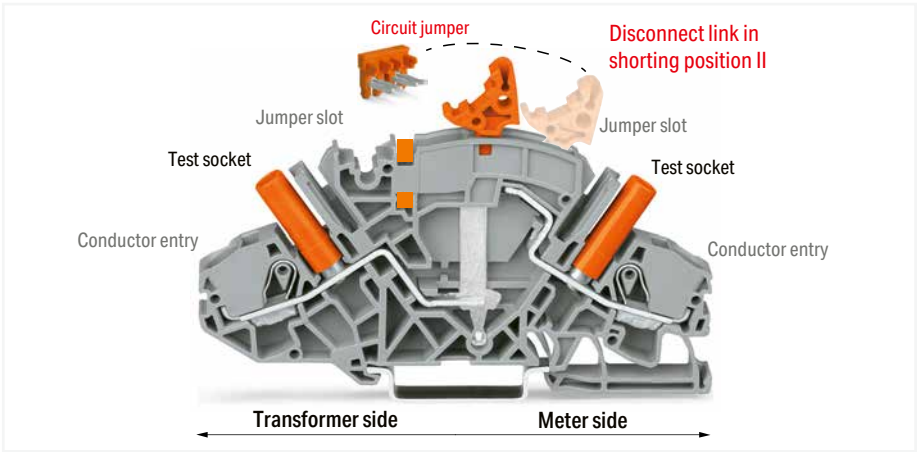
Marking strip; plain; Width: 11 mm

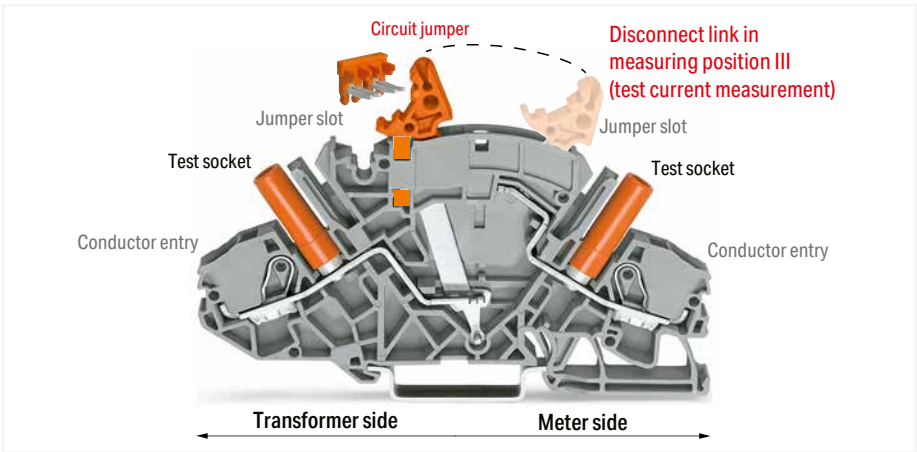
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Current Transformer Terminal Blocks TOPJOB® S, 2007-8821 (Orange Disconnect Link)







Current Transformer (Disconnect/Test) Terminal Block (Item No. 2007-8821) is designed for current transformer circuits.

First, the current transformer is shorted via disconnect link and circuit jumper (insert jumper, move disconnect link from operating position I to shorting position II, activate shorting path). Connecting a measurement device via test socket on the meter side can only be performed once circuit disconnection is complete (disconnect link in measuring position III).

Advantages:

- Top-of-unit circuit jumper slot for shorting path activation
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (8 AWG) and 6 mm² (10 AWG) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.

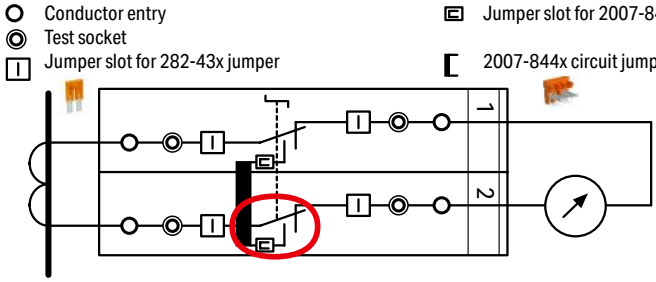
Preparing shorting path for the current transformer circuits.

Insert insulated, touch-proof circuit jumpers into jumper slot.

Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.

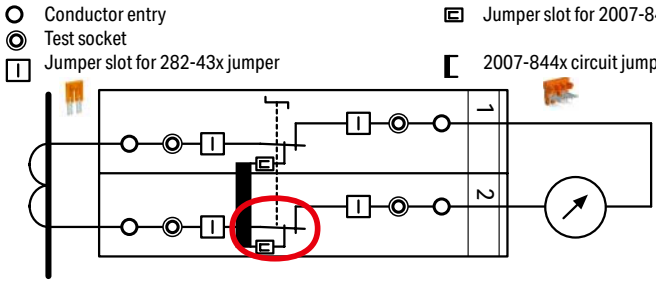
Implementing a Current and Voltage Transformer Circuit TOPJOB® S

Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (Item No. 2007-8821)
1 x circuit jumper, orange (Item No. 2007-8442)
Locking covers or interlocking links (option)



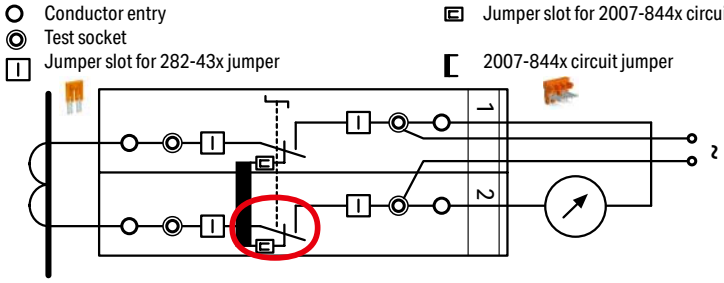
In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.

Disconnect link in shorting position II



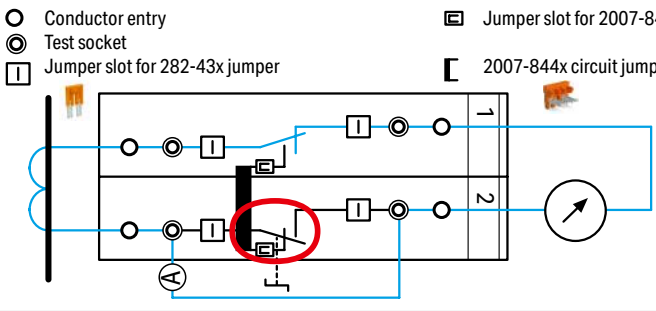
The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

Test current measurement: Disconnect link in measuring position III



The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.

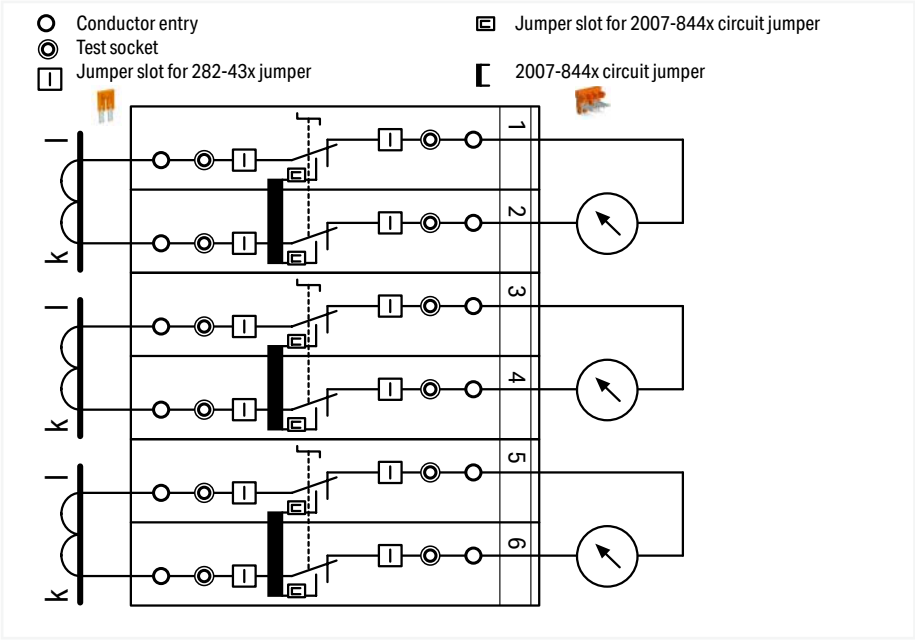
Measurement testing (using both test sockets)
Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III



Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).

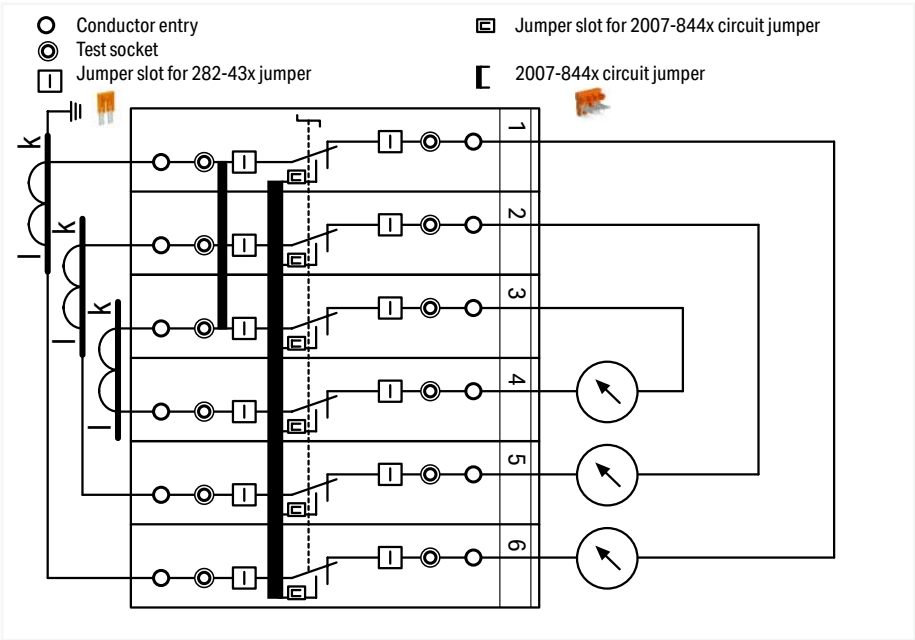
Examples for Current Transformer Circuits TOPJOB® S

Measuring set for a three-phase current transformer
Terminal blocks required:
- 6 x disconnect/test terminal block (Item No. 2007-8821)
- 3 x circuit jumper, orange (Item No. 2007-8442)
- In addition: interlocking link, locking cover, lock-out



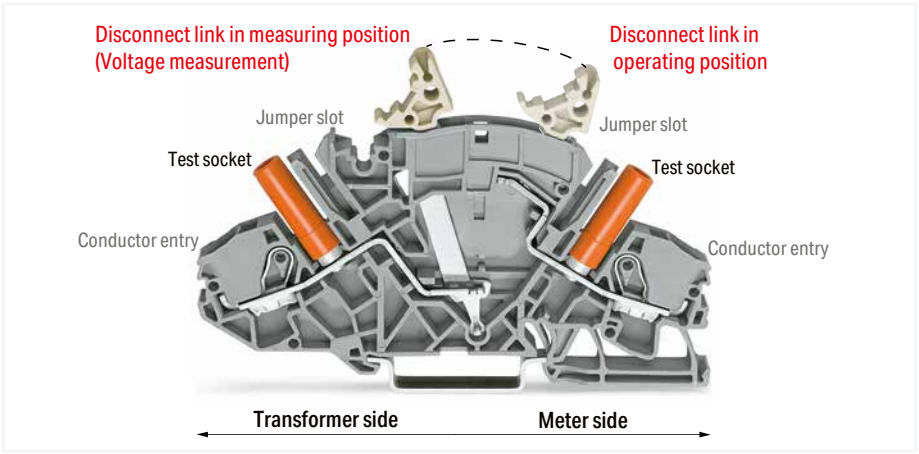
Pairs of disconnect links are interconnected via locking cover or interlocking link. Measurement testing is performed after the interlocking is released.

Measuring set for a three-phase current transformer with 'Y' point
Terminal blocks required:
- 6 x disconnect/test terminal block (Item No. 2007-8821)
- 1 x circuit jumper, orange (Item No. 2007-8446)
- 1 x jumper, orange (Item No. 282-433)
- In addition: interlocking link, locking cover, lock-out



All six disconnect links are interconnected via locking cover or interlocking link.

Voltage Transformer Terminal Blocks TOPJOB® S, 2007-8811 (Light Gray Disconnect Link)



Voltage Transformer (Disconnect/Test) Terminal Block (Item No. 2007-8811) is designed for current transformer circuits.

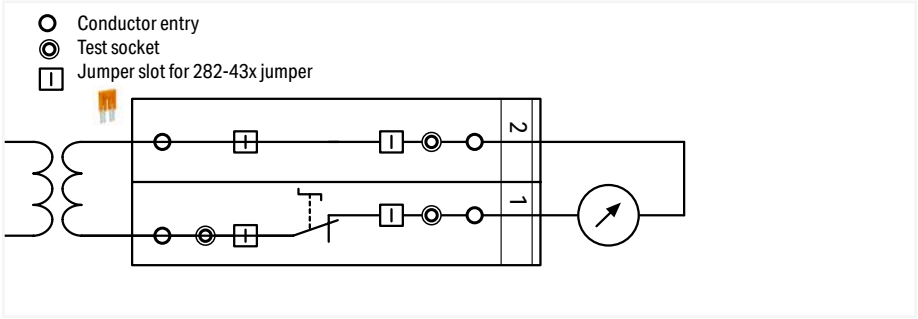
First, disconnect the voltage transformer from the circuit (move disconnect link from operating position to measurement position). Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring position).

Advantages:

- For voltage transformer circuits (no circuit jumper slot required as for Item No. 2007-8821 Current Transformer Terminal Block)
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (8 AWG) and 6 mm² (10 AWG) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.

Example for voltage transformer testing:
Measuring set for single-phase voltage transformer testing
Terminal blocks required:

- 1 x disconnect/test terminal block (Item No. 2007-8811)
- 1 x through terminal block (Item No. 2007-8801)
- 1 x end plate, orange (Item No. 2007-8892)
- In addition: locking cover, lock-out



Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measurement position.
Voltage measurement: Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring point).

Marking via WMB Multi markers or marking strips.

Additional commoning option on the transformer side

Multipole switching via snap-on type, transparent (locking) cover for disconnect links.

Function terminal blocks ▸ TOPJOB® S ▸ 2007 Series
Operating tool ▸ 6 mm² ▸ Width: 8 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

Electrical data						
Main product function	Current transformer terminal block; Voltage transformer terminal block; Through terminal block			Voltage transformer terminal block		
Ratings per	IEC/EN 60664-1					
Overvoltage category	III	III	II			
Pollution degree	3	2	2			
Nominal voltage	500 V	-	-			
Rated surge voltage	6 kV	-	-			
Rated current	30 A	-	-			
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V			300 V		
Rated current	30 A	30 A	10 A	30 A	30 A	10 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	300 V			300 V		
Rated current	30 A	30 A	10 A	30 A	30 A	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm² / 10 AWG
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	1 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with uninsulated ferrule	1.5 … 6 mm² / 16 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 247
Lock-out	Page 249
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2007 Series

Operating tool ▸ 6 mm² ▸ Width: 8 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 2

2007-8821

Current transformer terminal block ▸ Color gray

Color	Item No.	PU
gray	2007-8821	20
gray	2007-8821/041-000	20

Item-Specific Accessories

Circuit jumper; Rated current: 30 A; orange

Jumper assignment	Item No.	PU (SPU)
1-2	2007-8442	50 (10)
1-2-3	2007-8443	50 (10)
1-2-3-4	2007-8444	50 (10)
1-2-3-4-5	2007-8445	50 (10)
1-2-3-4-5-6	2007-8446	50 (10)
1-2-3-4-5-6-7	2007-8447	50 (10)
1-2-3-4-5-6-7-8	2007-8448	50 (10)

Locking cover; transparent

Width	Item No.	PU (SPU)
7.2 mm	282-881	50 (10)
15.2 mm	282-882	50 (10)
23.2 mm	282-883	50 (10)
31.2 mm	282-884	50 (10)
39.2 mm	282-885	50 (10)
47.2 mm	282-886	50 (10)
55.2 mm	282-887	50 (10)
63.2 mm	282-888	50 (10)

Lock-out

Color	Item No.	PU (SPU)
yellow	2007-8899	100 (20)

2007-8811

Voltage transformer terminal block ▸ Color gray

Color	Item No.	PU
gray	2007-8811	20
gray	2007-8811/041-000	20
gray	2007-8811/043-000	20

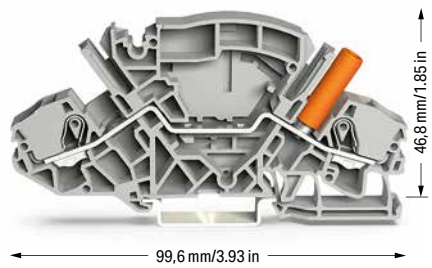
Item-Specific Accessories

Locking cover; transparent

Width	Item No.	PU (SPU)
7.2 mm	282-881	50 (10)
15.2 mm	282-882	50 (10)
23.2 mm	282-883	50 (10)
31.2 mm	282-884	50 (10)
39.2 mm	282-885	50 (10)
47.2 mm	282-886	50 (10)
55.2 mm	282-887	50 (10)
63.2 mm	282-888	50 (10)

Lock-out

Color	Item No.	PU (SPU)
yellow	2007-8899	100 (20)



2007-8801

Through terminal block

Color	Item No.	PU
gray	2007-8801	20
blue	2007-8804	20

Ground terminal block ▸ Color green-yellow

Color	Item No.	PU
green-yellow	2007-8807	20

Accessories; for all products on this page

End plate; Width: 1.5 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2007-8892	50 (10)
gray	2007-8891	50 (10)

End plate; Width: 1.5 mm; with lock-out seal option ; snap-on type

Color	Item No.	PU (SPU)
orange	2007-8894	50 (10)
gray	2007-8893	50 (10)

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ 282 Series
Suitable: Voltage and Current Transformer Terminal Blocks

282-432

Color orange		
Jumper assignment	Item No.	PU (SPU)
1-2	282-432	50 (10)
1-2-3	282-433	50 (10)
1-2-3-4	282-434	50 (10)
1-2-3-4-5	282-435	50 (10)
1-2-3-4-5-6	282-436	50 (10)
1-2-3-4-5-6-7	282-437	50 (10)
1-2-3-4-5-6-7-8	282-438	50 (10)
1-2-3-4-5-6-7-8-9	282-439	50 (10)
1-2-3-4-5-6-7-8-9-10	282-440	50 (10)

282-432/100-000

Jumper with safety lid ▸ Color orange		
Jumper assignment	Item No.	PU (SPU)
1-2	282-432/100-000	50 (10)
1-2-3	282-433/100-000	50 (10)
1-2-3-4	282-434/100-000	50 (10)

282-433/011-000

Jumper ▸ Color orange		
Jumper assignment	Item No.	PU (SPU)
1-3	282-433/011-000	50 (10)
1-3-5	282-435/011-000	50 (10)
1-3-4-5	282-435/300-000	50 (10)
1-2-4-6	282-436/301-000	50 (10)
1-3-5-7	282-437/011-000	50 (10)
1-4-7	282-437/012-000	50 (10)
1-2-5-8	282-438/300-000	50 (10)
1-4-7-8	282-438/301-000	50 (10)
1-3-5-7-9	282-439/011-000	50 (10)

Electrical data	
Rated current	30 A

Additional commoning option on the transformer side

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Accessories
Suitable: Voltage and Current Transformer Terminal Blocks

2007-8899

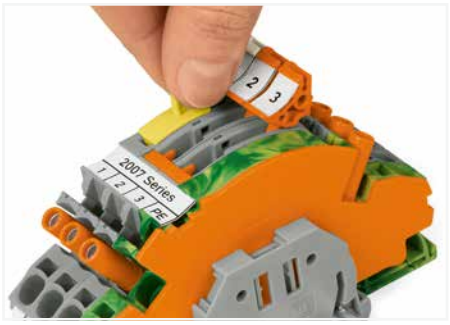
Lock-out device ▸ for disconnect link		
Color	Item No.	PU (SPU)
yellow	2007-8899	100 (20)

210-254

Interlocking link ▸ mechanically locks multiple links ▸ 1 m long		
Color	Item No.	PU
transparent	210-254	1

282-881

Locking cover ▸ mechanically locks multiple links ▸ Color transparent		
	Item No.	PU (SPU)
1-pole	282-881	50 (10)
2-pole	282-882	50 (10)
3-pole	282-883	50 (10)
4-pole	282-884	50 (10)
5-pole	282-885	50 (10)
6-pole	282-886	50 (10)
7-pole	282-887	50 (10)
8-pole	282-888	50 (10)



Lock-out prevents accidental operation of disconnect link.

Interlocking link mechanically locks multiple links for multi-pole switching applications.

A lock-out seal can be used on the disconnect link in operating position I in combination with an end and separator plate (Item no. 2007-8893 or 2007-8894).

Lock-out snaps into one of two notched positions.

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	15 A	15 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590

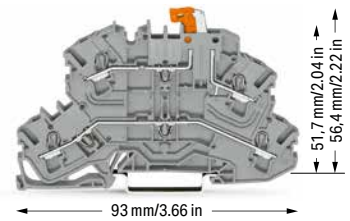
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

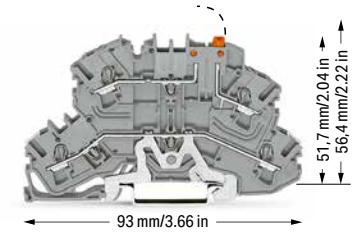
Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



2002-2671

Double-deck terminal block; Disconnect terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2671	50
gray	N/L	2002-2672	50



2002-2678

Double-deck terminal block; Disconnect terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	Shield/L	2002-2678	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2692	100 (25)
gray	2002-2691	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	16 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	15 A	15 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	15 A	15 A	15 A

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	14 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

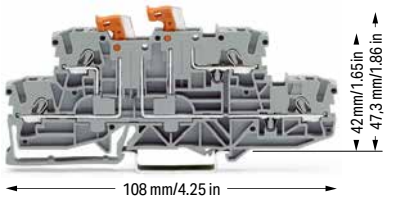
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

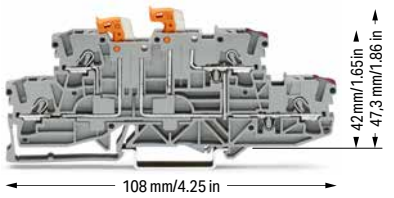
Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



2002-2951

Double-deck terminal block; Disconnect terminal block

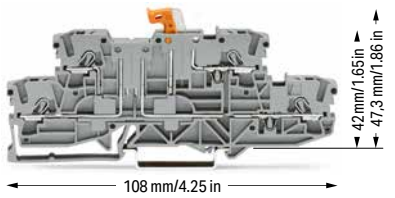
Color	Potential marking	Item No.	PU
gray	L/L	2002-2951	50
gray	N/L	2002-2952	50
blue	N/N	2002-2954	50



2002-2958

Double-deck terminal block; Disconnect terminal block

Color	Potential marking	Item No.	PU
gray	L/L	2002-2958	50
blue	N/N	2002-2959	50



2002-2971

Double-deck terminal block; Disconnect terminal block

Color	Potential marking	Item No.	PU
gray	L/L	2002-2971	50
gray	N/L	2002-2972	50
blue	N/N	2002-2974	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2992	100 (25)
gray	2002-2991	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

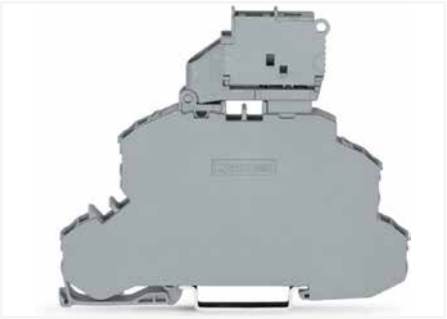
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



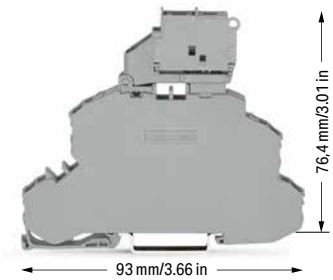
Electrical data				
Electrical ratings are given by the fuse.				
Ratings per		**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	6.3 A	6.3 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	6.3 A	6.3 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 516
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



2002-2611

Double-deck terminal block; Fuse terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2611	25
gray	N/L	2002-2612	25

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1092	100 (25)
gray	2002-1091	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

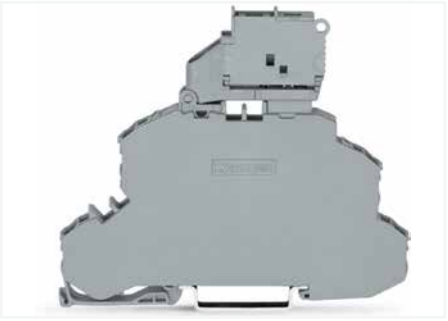
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

1



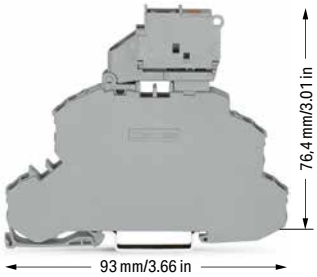
Electrical data						
Blown fuse indication	**12 … 30 V**			**30 … 65 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	30 V	-	-	65 V	-	-
Rated surge voltage	0.8 kV	-	-	1.5 kV	-	-
Rated current	-	-	-	-	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	6.3 A	6.3 A	-	6.3 A	6.3 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	30 V	30 V	-	65 V	65 V	-
Rated current	6.3 A	6.3 A	-	6.3 A	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +70 °C
Continuous operating temperature	-35 … +70 °C
Ambient temperature (operation)	-35 … +70 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 516
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



2002-2611/1000-541

Double-deck terminal block; Fuse terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2611/1000-541	25
gray	L/L	2002-2611/1000-542	25

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1092	100 (25)
gray	2002-1091	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

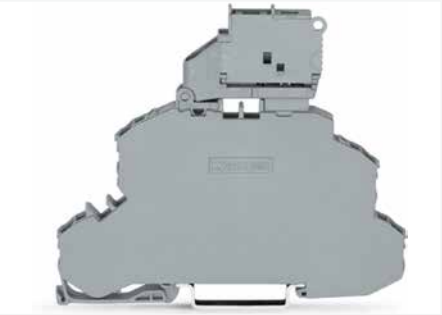
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2002 Series

Number of levels: 2 ▶ Operating tool ▶ 2.5 mm² ▶ Width: 6.2 mm ▶ Cylindrical fuse; 5 x 20 mm ▶ Number of jumper slots: 4 ▶ Clamping units: 4

1



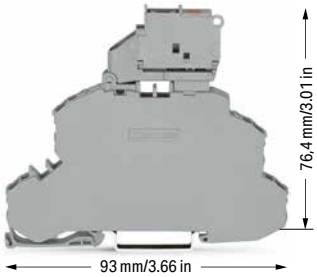
Electrical data						
Blown fuse indication	**230 V**			**120 V**		
Electrical ratings are given by the fuse and blown fuse indication.						
Leakage current in case of a blown fuse: LED 2 mA						
Ratings per	**IEC/EN 60947-7-3**			**IEC/EN 60947-7-3**		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	6.3 A	-	-	6.3 A	-	-
Approvals per	**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D
Rated voltage	230 V	230 V	-	120 V	120 V	-
Rated current	6.3 A	6.3 A	-	6.3 A	6.3 A	-
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D
Rated voltage	230 V	230 V	-	120 V	120 V	-
Rated current	6.3 A	6.3 A	-	6.3 A	6.3 A	-

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 516
Locking system	Page 249
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 6.2 mm ▸ Cylindrical fuse; 5 x 20 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



2002-2611/1000-541

Double-deck terminal block; Fuse terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2611/1000-836	25
gray	L/L	2002-2611/1000-867	25

Accessories; for all products on this page

Separator for Ex e/Ex i applications; Width: 3 mm; Height: 125.5 mm

Color	Item No.	PU (SPU)
orange	209-192	50 (25)

End plate for fuse terminal blocks; Width: 2 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1092	100 (25)
gray	2002-1091	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

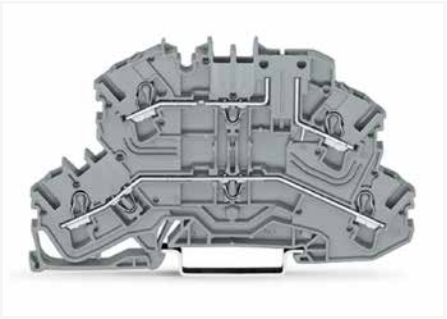
Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4

1



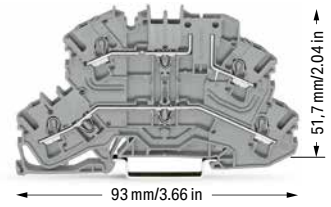
Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	15 A	15 A	-	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	14 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

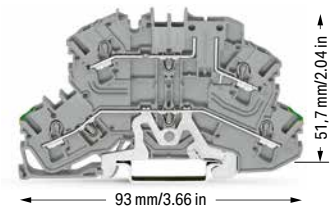
Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 4



2002-2661

Double-deck terminal block; Carrier terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2661	50
gray	N/L	2002-2662	50



2002-2667

Double-deck terminal block; Carrier terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/L	2002-2667	50

Item-Specific Accessories

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2692	100 (25)
gray	2002-2691	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

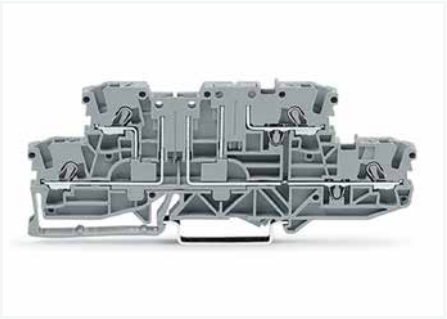
Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



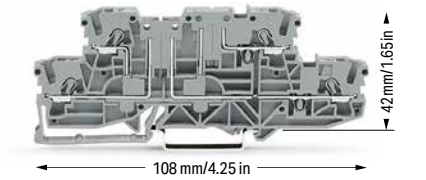
Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	300 V	150 V	300 V	
Rated current	15 A	15 A	15 A	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	14 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



2002-2961

Double-deck terminal block; Carrier terminal block ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2961	50
gray	L/N	2002-2963	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2992	100 (25)
gray	2002-2991	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

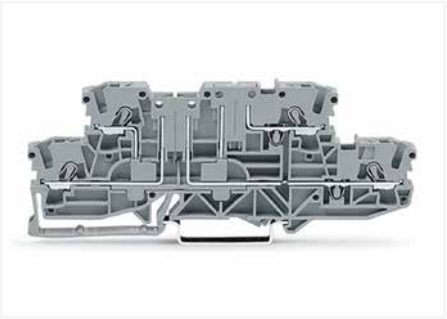
Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



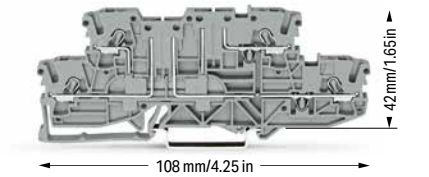
Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	16 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V	300 V	-	
Rated current	15 A	15 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	300 V	150 V	300 V	
Rated current	15 A	15 A	15 A	

Electrical data	
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	14 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 306
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series

Number of levels: 2 ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 4



2002-2941

Double-deck terminal block; Carrier terminal block; Carrier terminal block for modules and plugs ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2002-2941	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2992	100 (25)
gray	2002-2991	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

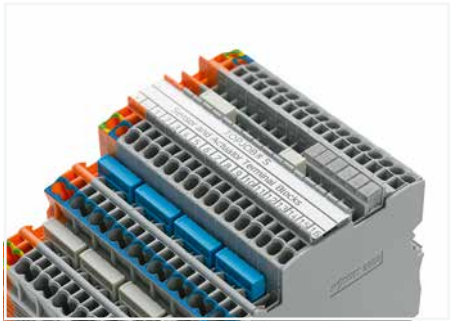
Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S
2000 Series
Description and Installation

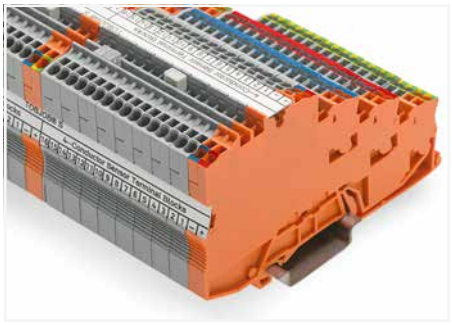


Commoning (signal level):
Commoning the signal level with push-in type jumper bars (2000 Series). Models with an LED can only be commoned in one jumper slot.
Test Plug Adapters can be used in all jumper slots.

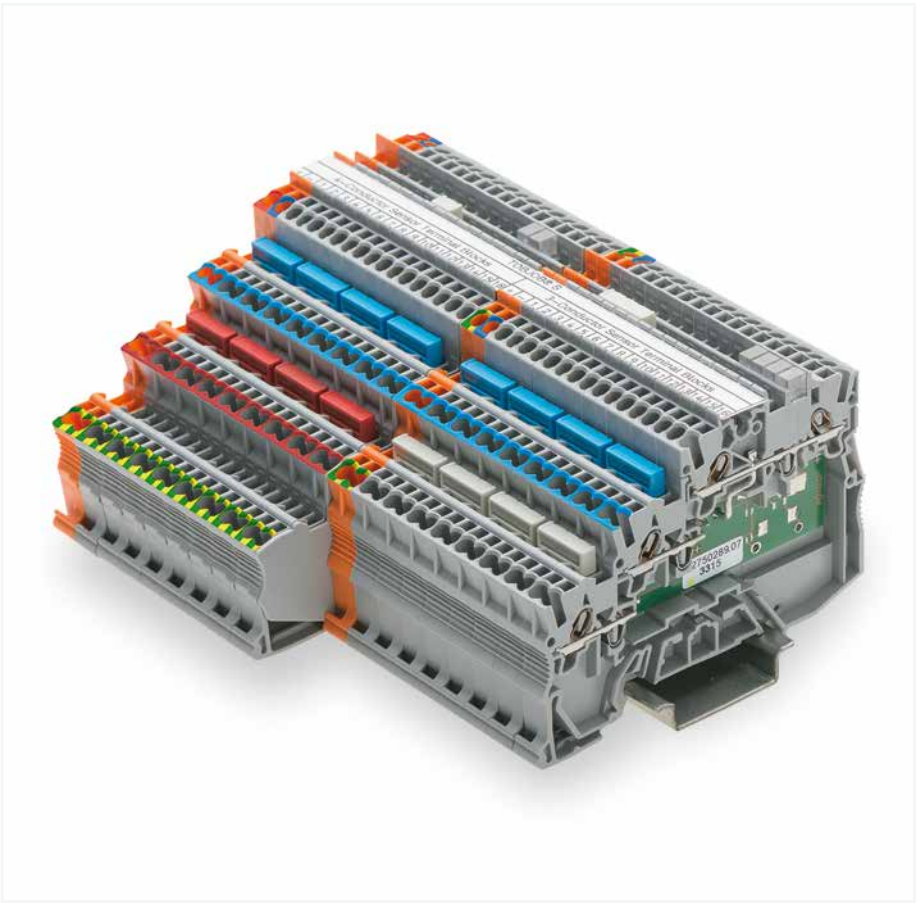
Upper level: two independent signal pathways

Commoning (potential level):
Commoning potential levels via push-in type jumper bars (2000 Series).

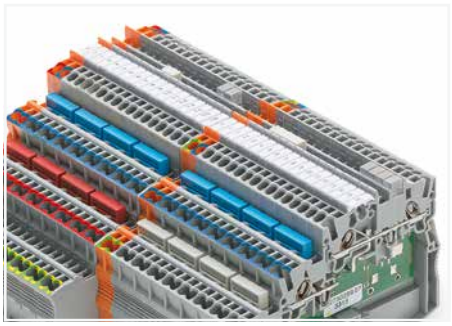
Power supply:
Orange supply terminal block of same profile from both the cabinet and sensor sides



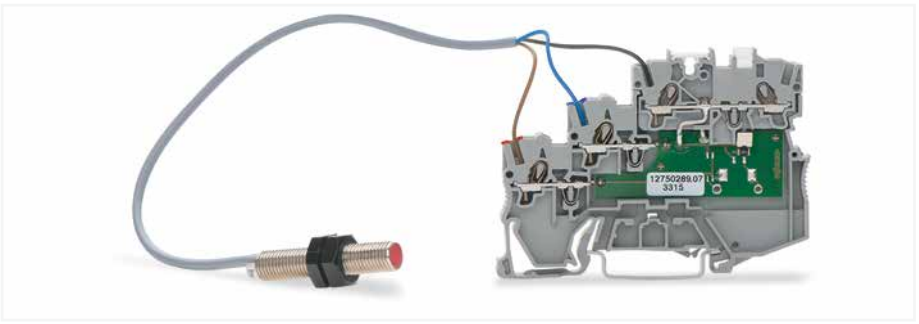
Marking:
Marking strips (Item No. 2009-110) – from the top or the side



Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks



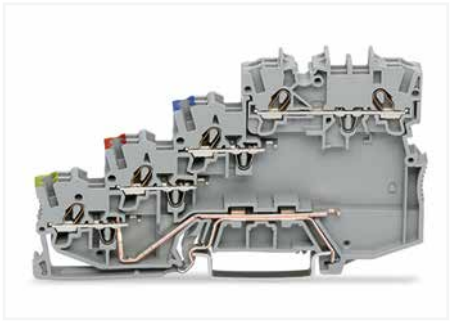
Marking:
3.5 mm WMB markers (Item No. 793-35xx) from the top or the side – additional marking option via marker carrier



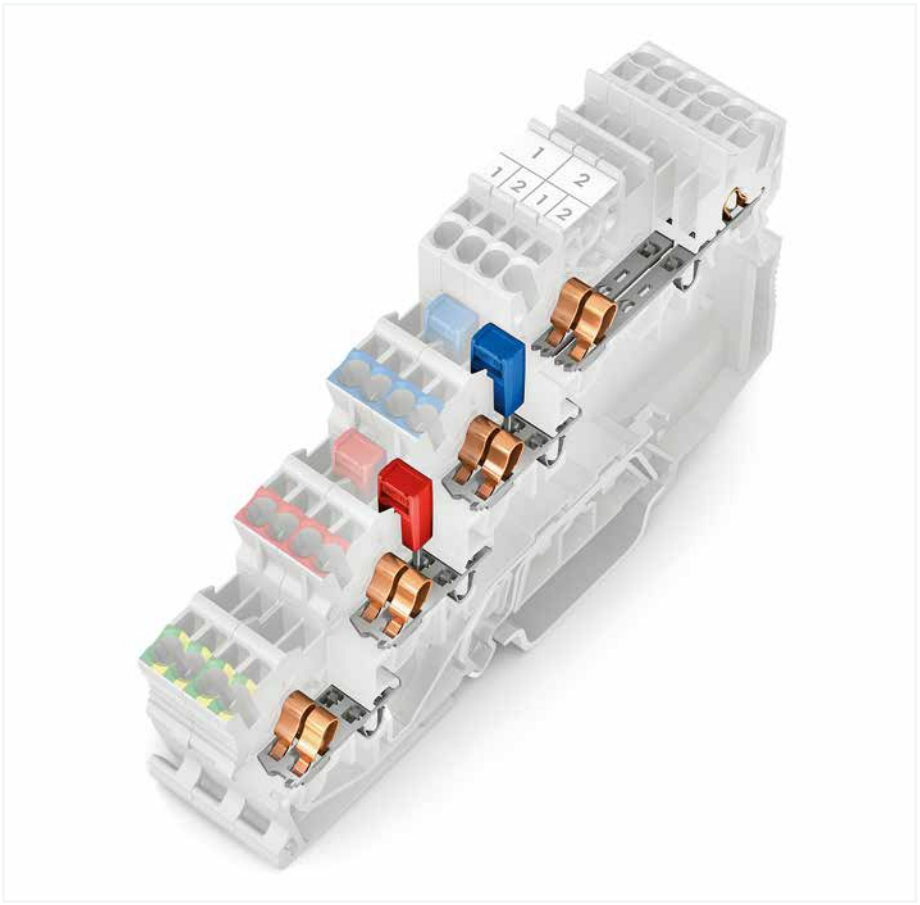
3-conductor sensor LED terminal block with a connected sensor

Commoning (potential level):
Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)

Potential levels: two adjacent commoning options on a current bar

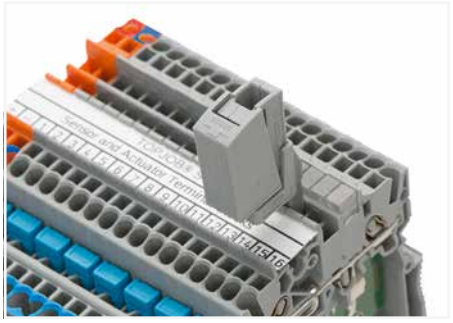


4-conductor sensor terminal block with ground contact

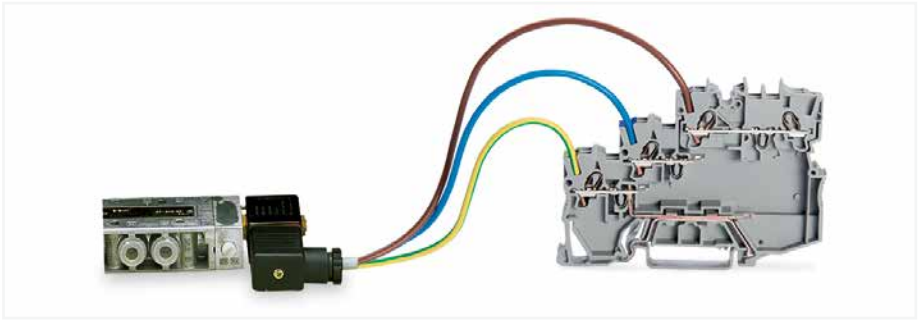


Upper level: two independent signal pathways, in 3.5 mm spacing per pole, with a dual jumper slot
Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions

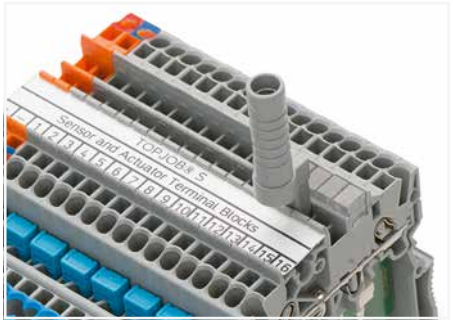
Ground commoning:
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.



Testing via testing tap (Item No. 2009-182) (up to max. 42 V).



3-conductor actuator LED terminal block with a connected actuator



Testing via test plug adapter (Item No. 2009-174) (up to max. 42 V).

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series
Number of levels: 3 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

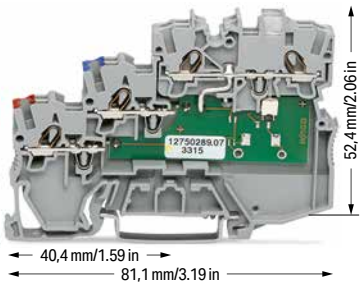
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

Number of jumper slots: 3 ▸ Yellow LED



2000-5311/1101-951

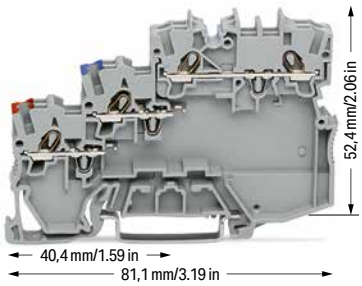
LED switching for: NPN ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5311/1101-951	50

LED switching for: PNP ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5311/1102-950	50

Number of jumper slots: 4



2000-5311

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5311	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Push-in type jumper bar; red

Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25

Push-in type jumper bar; blue

Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25

Push-in type jumper bar; yellow-green

Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series

Number of levels: 3 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Number of jumper slots: 2 ▶ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number/type of diode/LED				Green LED		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	4 kV	-	-
Rated current	28 A	-	-	28 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	24 V	-	24 V
Rated current	20 A	-	20 A	20 A	-	20 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	300 V	-	-	24 V	-
Rated current	-	20 A	-	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

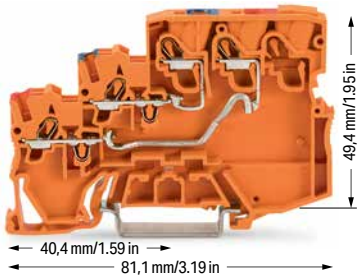
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series

Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 8

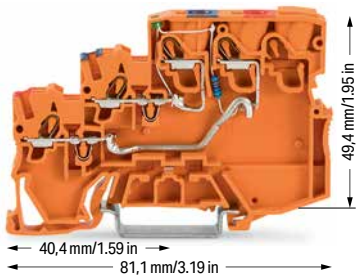


2000-5352

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5352	15

Green LED



2000-5352/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2000-5352/1102-953	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series
Number of levels: 3 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Green LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	4 kV	-	-
Rated current	13.5 A	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

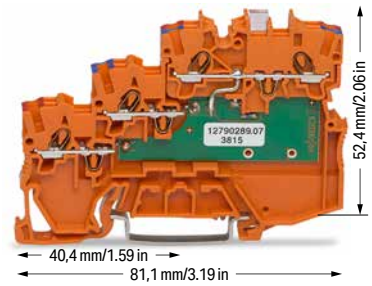
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

Number of jumper slots: 3 ▸ Green LED

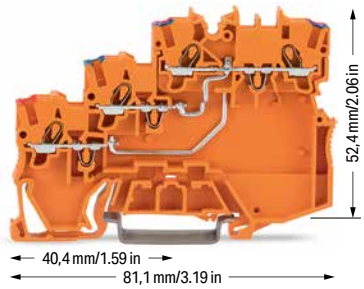


2000-5372/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2000-5372/1102-953	15

Number of jumper slots: 4



2000-5372

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5372	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

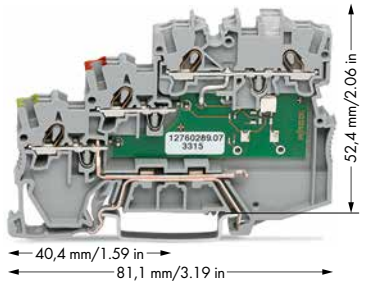
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

Number of jumper slots: 3 ▸ Yellow LED



2000-5317/1101-951

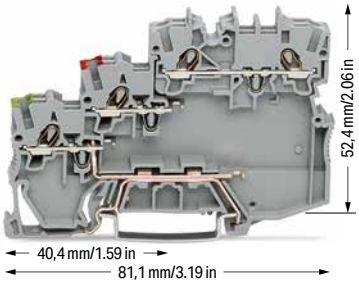
LED switching for: NPN ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5317/1101-951	50

LED switching for: PNP ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5317/1102-950	50

Number of jumper slots: 4



2000-5317/101-000

LED switching for: NPN ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5317/101-000	50

LED switching for: PNP ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5317/102-000	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series
Number of levels: 3 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Ground connection via commoning to terminal blocks with ground foot

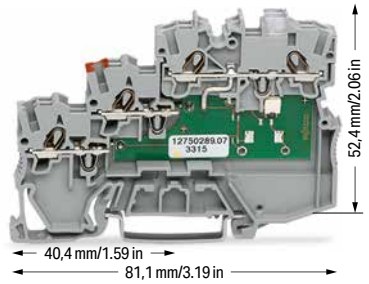
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

Number of jumper slots: 3 ▸ Yellow LED



2000-5310/1101-951

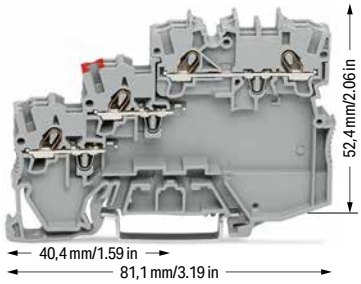
LED switching for: NPN ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5310/1101-951	50

LED switching for: PNP ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5310/1102-950	50

Number of jumper slots: 4



2000-5310/101-000

LED switching for: NPN ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5310/101-000	50

LED switching for: PNP ▸ Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5310/102-000	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series
Number of levels: 3 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Clamping units: 8

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

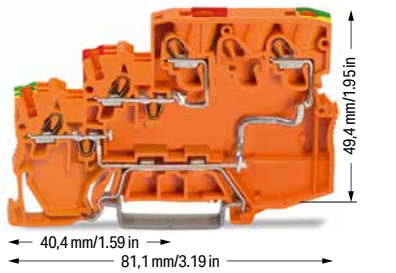
Electrical data						
Number of jumper slots	2			4		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	28 A	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Rated current	20 A	-	20 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	300 V	-	-	300 V	-
Rated current	-	20 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8

Number of jumper slots: 2



2000-5357/101-000

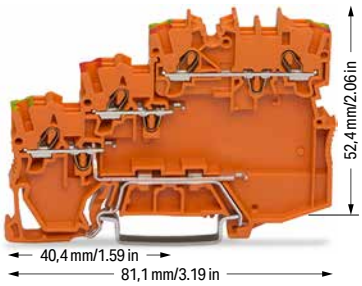
LED switching for: NPN ▸ Actuator supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5357/101-000	15

LED switching for: PNP ▸ Actuator supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5357/102-000	15

Number of jumper slots: 4



2000-5377/101-000

LED switching for: NPN ▸ Actuator supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5377/101-000	15

LED switching for: PNP ▸ Actuator supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5377/102-000	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Ground connection via commoning to terminal blocks with ground foot

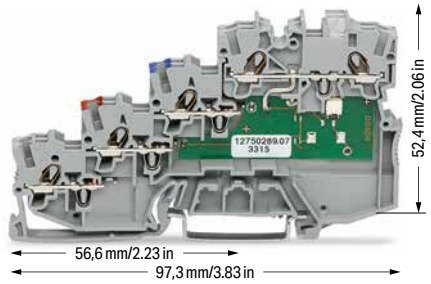
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

Number of jumper slots: 4 ▸ Yellow LED



2000-5410/1101-951

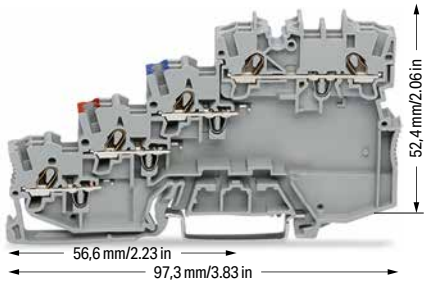
LED switching for: NPN ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5410/1101-951	50

LED switching for: PNP ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5410/1102-950	50

Number of jumper slots: 5



2000-5410

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5410	50

Item-Specific Accessories

Push-in type jumper bar; red

Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25

Push-in type jumper bar; blue

Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25

Push-in type jumper bar; yellow-green

Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

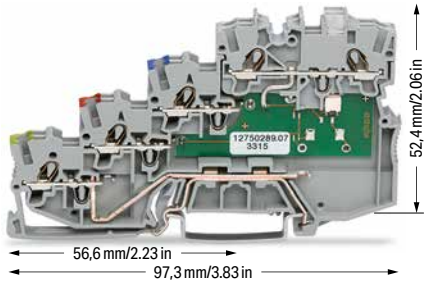
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

Number of jumper slots: 4 ▸ Yellow LED



2000-5417/1101-951

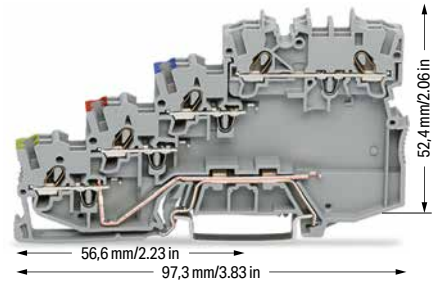
LED switching for: NPN ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5417/1101-951	50

LED switching for: PNP ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5417/1102-950	50

Number of jumper slots: 5



2000-5417

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5417	50

Item-Specific Accessories

Push-in type jumper bar; red

Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25

Push-in type jumper bar; blue

Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25

Push-in type jumper bar; yellow-green

Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Ground connection via commoning to terminal blocks with ground foot

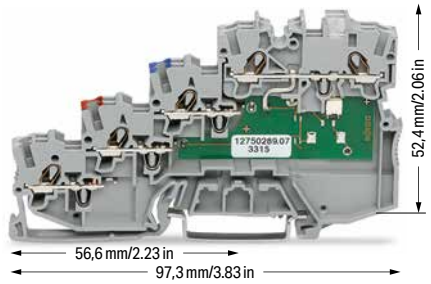
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

Number of jumper slots: 4 ▸ Yellow LED



2000-5410/1101-951

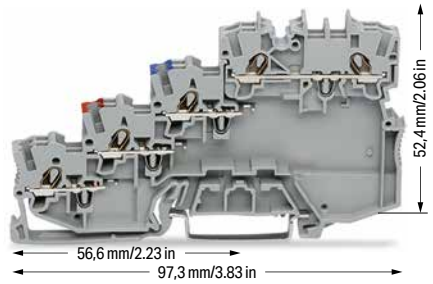
LED switching for: NPN ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5410/1101-951	50

LED switching for: PNP ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5410/1102-950	50

Number of jumper slots: 5



2000-5410

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5410	50

Item-Specific Accessories

Push-in type jumper bar; red

Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25

Push-in type jumper bar; blue

Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25

Push-in type jumper bar; yellow-green

Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series
Number of levels: 4 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Clamping units: 10

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

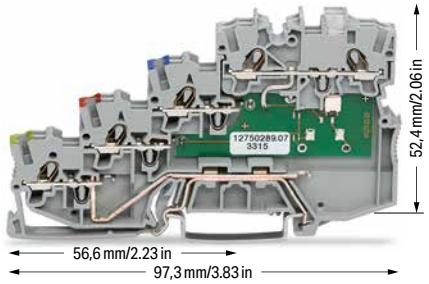
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 10

Number of jumper slots: 4 ▸ Yellow LED



2000-5417/1101-951

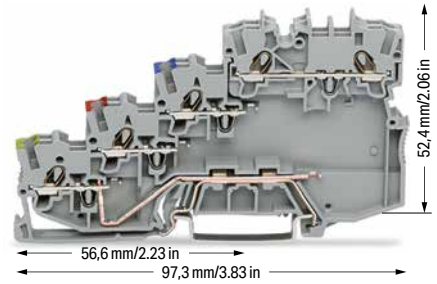
LED switching for: NPN ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2000-5417/1101-951	50

LED switching for: PNP ▸ Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2000-5417/1102-950	50

Number of jumper slots: 5



2000-5417

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2000-5417	50

Item-Specific Accessories

Push-in type jumper bar; red

Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25

Push-in type jumper bar; blue

Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25

Push-in type jumper bar; yellow-green

Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 3

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Clamping units	8			9		
Number/type of diode/LED	Green LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	-	-	-
Rated surge voltage	-	-	-	-	-	-
Rated current	28 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	24 V	300 V	-	300 V
Rated current	20 A	-	20 A	20 A	-	20 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	20 A	-	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series
Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 3

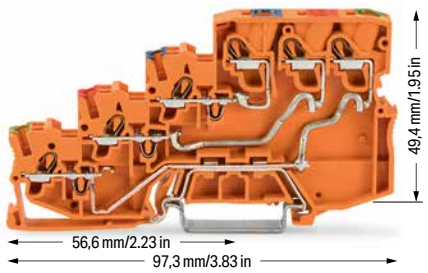
Clamping units: 8 ▸ Green LED

2000-5457/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2000-5457/1102-953	15

Clamping units: 9



2000-5457

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5457	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▶ TOPJOB® S ▶ 2000 Series

Number of levels: 4 ▶ Operating tool ▶ 1 mm² ▶ Width: 7 mm ▶ Number of jumper slots: 4 ▶ Clamping units: 10

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number/type of diode/LED				Green LED		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	4 kV	-	-
Rated current	13.5 A	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	24 V	-	24 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	300 V	-	-	24 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

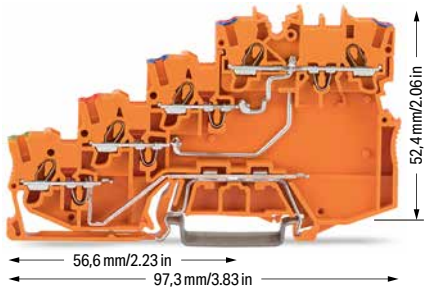
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2000 Series

Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 4 ▸ Clamping units: 10

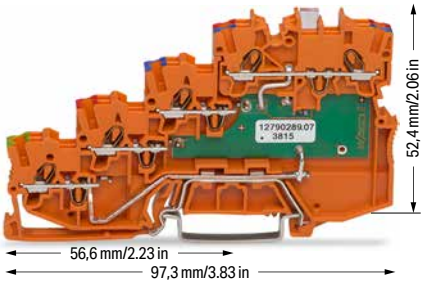


2000-5477

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2000-5477	15

Green LED



2000-5477/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2000-5477/1102-953	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2000-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

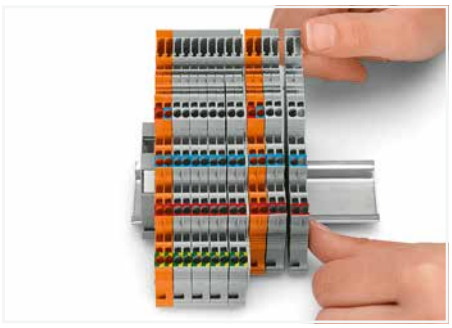
Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S; with Pluggable Signal Level 2020 Series

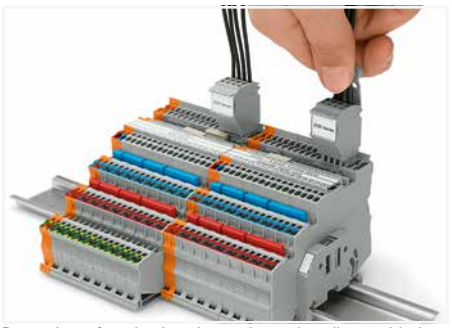
Description and Installation



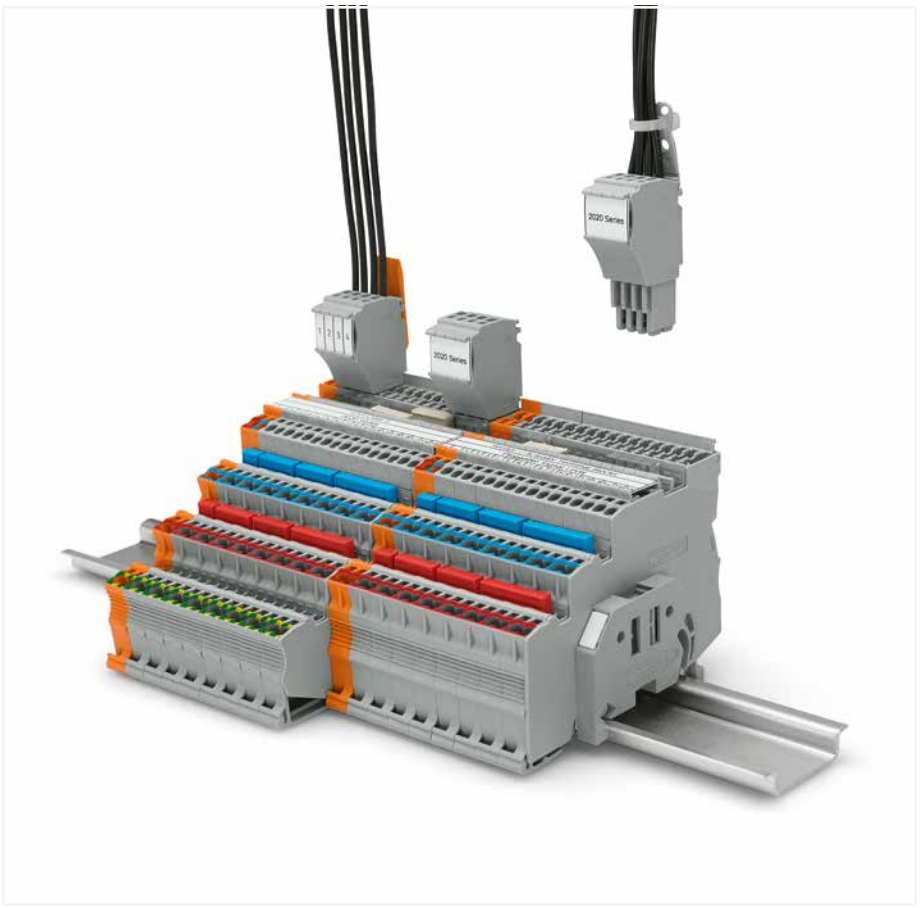
Snap individual terminal blocks onto the DIN-rail and slide together.

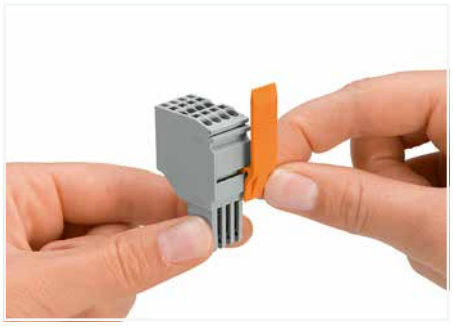
Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.

Labeling terminal blocks via marking strips (Item No. 2009-110) or 3.5 mm wide WMB markers (Item No. 793-35xx) – from the top or the side.



Removing a female plug via conductor bundle provided with strain relief plate.

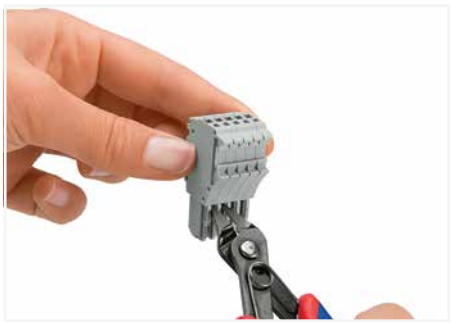




Slide the locking lever into position.

Testing via testing tap (Item No. 2009-182) or test plug adapter (Item No. 2009-174) (up to max. 42 V).

Insert coding pin into the corresponding slot and twist it off.



Remove the coding finger using a cutting tool.

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	24 V	-	300 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Electrical data (general)	
LED switching for	PNP

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

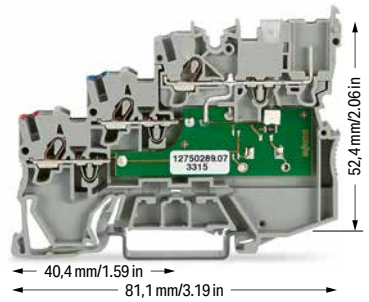
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP

Number of jumper slots: 3 ▸ Yellow LED

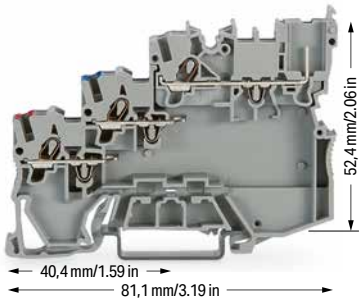


2020-5311/1102-950

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2020-5311/1102-950	50

Number of jumper slots: 4



2020-5311

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2020-5311	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

Item No.	PU (SPU)
2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Green LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	-	-	-
Rated surge voltage	4 kV	-	-	-	-	-
Rated current	13.5 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

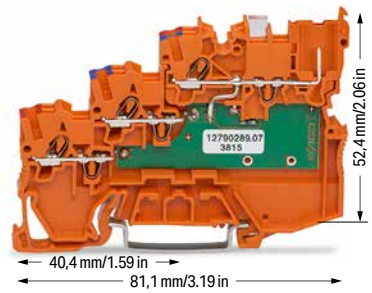
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2

Number of jumper slots: 3 ▸ Green LED

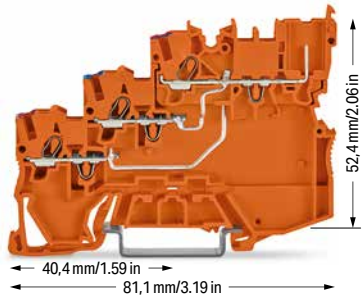


2020-5372/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2020-5372/1102-953	15

Number of jumper slots: 4 ▸ LED switching for: PNP



2020-5372

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2020-5372	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

Item No.	PU (SPU)
2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	3			4		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Electrical data (general)	
LED switching for	PNP

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

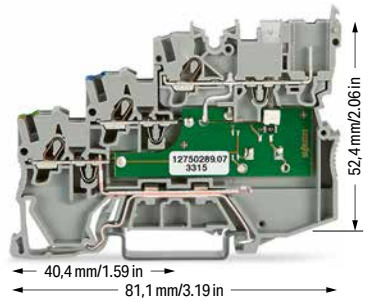
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP

Number of jumper slots: 3 ▸ Yellow LED

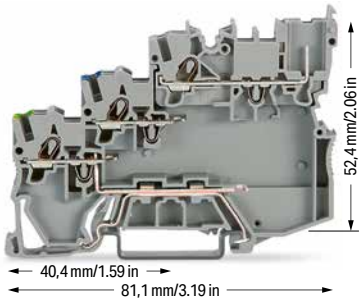


2020-5317/1102-950

Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2020-5317/1102-950	50

Number of jumper slots: 4



2020-5317/102-000

Actuator terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2020-5317/102-000	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	-	-	-
Rated current	13.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	15 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	-	300 V	-
Rated current	-	10 A	-

Electrical data (general)	
LED switching for	PNP

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

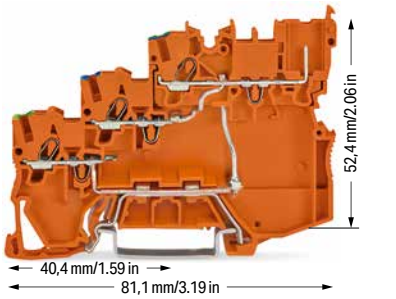
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 3 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Number of jumper slots: 3 ▸ Clamping units: 6 ▸ Female plug slots: 2 ▸ LED switching for: PNP



2020-5377/102-000

Actuator supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2020-5377/102-000	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5391	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

Item No.	PU (SPU)
2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8 ▸ Female plug slots: 2 ▸ LED switching for: PNP

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Yellow LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	-	-	-	250 V	-	-
Rated surge voltage	-	-	-	4 kV	-	-
Rated current	-	-	-	13.5 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Electrical data (general)	
LED switching for	PNP

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

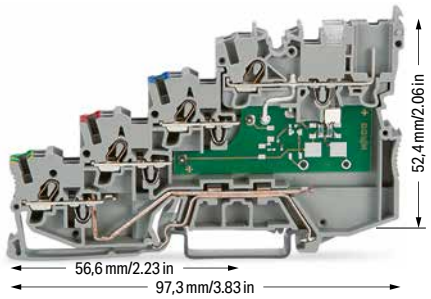
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8 ▸ Female plug slots: 2 ▸ LED switching for: PNP

Number of jumper slots: 4 ▸ Yellow LED



2020-5417/1102-950

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anodes	2020-5417/1102-950	50

Number of jumper slots: 5

2020-5417

Sensor terminal block ▸ Color: gray

Color	Alignment	Item No.	PU
gray	-	2020-5417	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8 ▸ Female plug slots: 2

- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)
- The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Electrical data						
Number of jumper slots	4			5		
Number/type of diode/LED	Green LED					
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	-	-	-
Rated surge voltage	4 kV	-	-	-	-	-
Rated current	13.5 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V
Rated current	15 A	-	15 A	15 A	-	15 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	24 V	-	-	300 V	-
Rated current	-	10 A	-	-	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

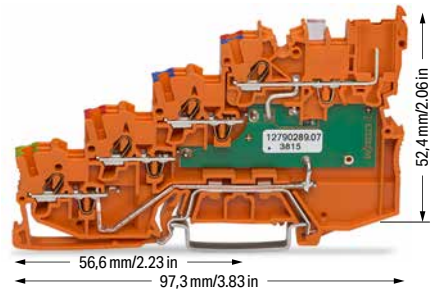
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2020 Series

with pluggable signal level ▸ Number of levels: 4 ▸ Operating tool ▸ 1 mm² ▸ Width: 7 mm ▸ Clamping units: 8 ▸ Female plug slots: 2

Number of jumper slots: 4 ▸ Green LED

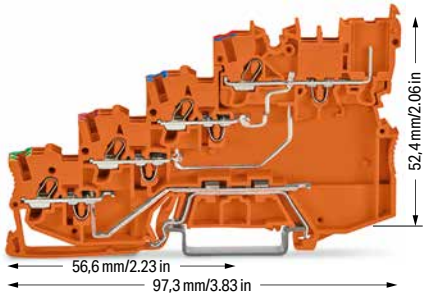


2020-5477/1102-953

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	Bottom anode	2020-5477/1102-953	15

Number of jumper slots: 5 ▸ LED switching for: PNP



2020-5477

Sensor supply terminal block ▸ Color: orange

Color	Alignment	Item No.	PU
orange	-	2020-5477	15

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2020-5491	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

Item No.	PU (SPU)
2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
2.5 (4) mm²

1

Empty component plug housing ▸ gray

2002-800

Plug width: 5.2 mm / 0.2 inch ▸ 2-pole ▸ Type 1		
	Item No.	PU
	2002-800	100

Suitable for:

Carrier terminal block	Page

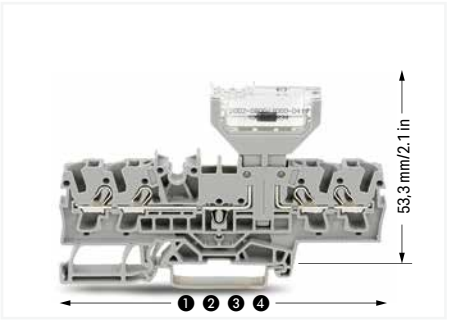
2002-810

Plug width: 10.4 mm / 0.41 inch ▸ 2-pole ▸ Type 2		
	Item No.	PU
	2002-810	50

Plug width: 10.4 mm / 0.41 inch ▸ 4-pole ▸ Type 3		
	Item No.	PU
	2002-820	50

Suitable for:

Carrier terminal block	Page



Lengths of carrier terminal blocks with a pluggable diode module:
1. 66.1 mm / 2.62 inch for 2002-1661
2. 76.8 mm / 3.02 inch for 2002-1761
3. 87.5 mm / 3.45 inch for 2002-1861
4. 72.9 mm / 2.87 inch for 2002-1961

Accessories; for all products on this page

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; IN 18 A

Length	Item No.	PU (SPU)
60 mm	2009-412	100 (10)
110 mm	2009-414	100 (10)
250 mm	2009-416	100 (10)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

Color	Item No.	PU (SPU)
yellow	2002-115	100 (25)

Multi-purpose operating tool; for component plugs

	Item No.	
	2002-116	

PU = packaging unit; SPU = subpackaging unit

1

Empty component plug housing ▸ gray

2002-880

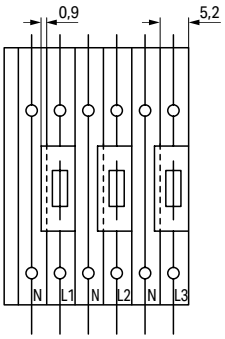
Plug width: 10.4 mm / 0.41 inch ▸ 2-pole ▸ Type 4

Item No.	PU
2002-880	50

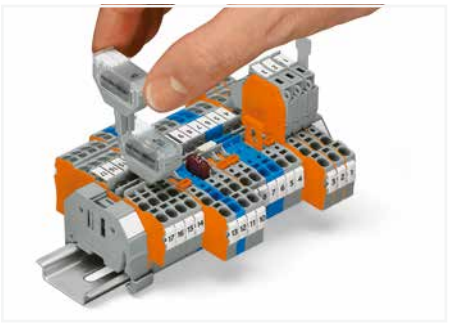
Suitable for:

Through terminal block Page

Lengths of through terminal blocks with a pluggable diode module:
❶ **48.5 mm / 1.91 inch for 2002-1201**
❷ **59.2 mm / 2.33 inch for 2002-1301**
❸ **69.9 mm / 2.75 inch for 2002-1401**



Open side of terminal block left



Similar to push-in type jumpers, these diode modules are simply pushed into the current bar's contact slots of two adjacent through terminal blocks, providing the following advantages:
- Compatible with all 2001 to 2006 Series Through Terminal Blocks equipped with jumper slots (note the module's width)
- Easy retrofits for existing systems
- Separation into functional and wiring levels
- Fast replacement of other functional units
- solder-free assembly of diodes, resistors, etc.

Opening the cover via operating tool (2.5 mm blade).

Accessories; for all products on this page

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; IN 18 A

Length	Item No.	PU (SPU)
60 mm	2009-412	100 (10)
110 mm	2009-414	100 (10)
250 mm	2009-416	100 (10)

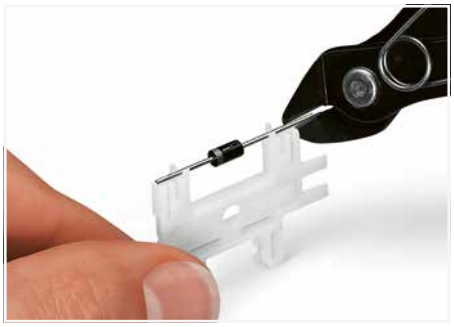
Multi-purpose operating tool; for component plugs

Item No.
2002-116

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

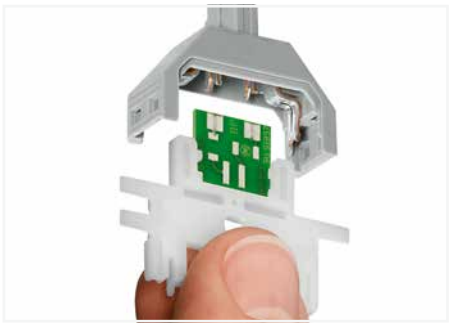
Color	Item No.	PU (SPU)
yellow	2002-115	100 (25)

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Technical Information for Empty component plug housing on Carrier Terminal Block

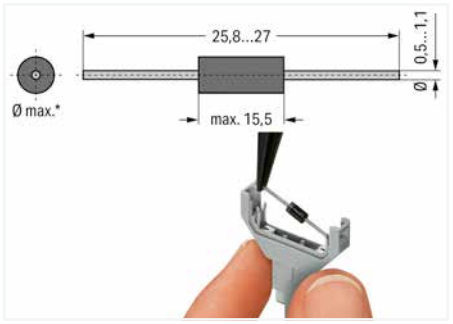


Cutting component to the proper length.

Pressing component into plug contact via operating tool.

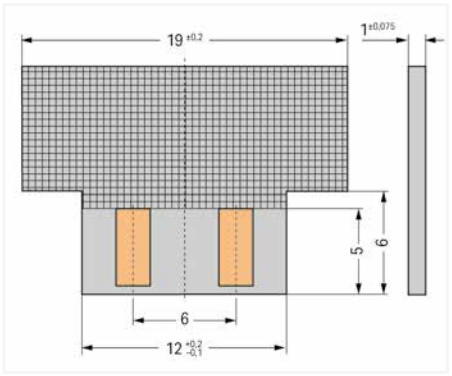


Pushing PCB into plug contact via operating tool.



*max. 3.4 mm Ø at 5.2 mm module width and
*max. 5.4 mm Ø at 10.4 mm module width
Notice: Reconnection only possible with similar or larger wire diameter.

Component plugs for building custom circuits solder-free assembly of diodes, resistors, etc.
(Illustration shows a 1N4007 diode)



Dimensions of self-assembled PCBs:
Module height: 2 mm at 5.2 mm module width and module height: 3.3 mm at 10.4 mm module width

When closing the cover, please insert cover as shown in the illustration.

Opening the cover via operating tool (2.5 mm blade).

Opening the cover via multi-purpose operating tool for component plugs.

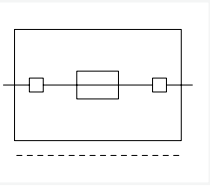
Function terminal blocks ▸ TOPJOB® S ▸ 2004 Series
2.5 (4) mm²

1

Fuse plug; with pull-tab ▸ Plug width: 6.1 mm / 0.24 inch ▸ gray

Electrical ratings are given by the fuse.

2004-911



for 5 x 20 mm miniature metric fuse

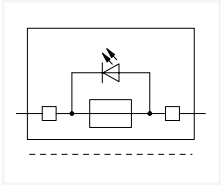
Blown fuse indication	Item No.	PU
without	2004-911	50

Suitable for:

Carrier terminal block	Page

with indicatior lamp ▸ Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

2004-911/1000-541



for 5 x 20 mm miniature metric fuse

Blown fuse indication	Item No.	PU
12 … 30 V	2004-911/1000-541	50
30 … 65 V	2004-911/1000-542	50
120 V	2004-911/1000-867	50
230 V	2004-911/1000-836	50

Suitable for:

Carrier terminal block	Page

Electrical data

Pollution degree	3
Nominal voltage (III/3)	250 V
Rated current	6.3 A

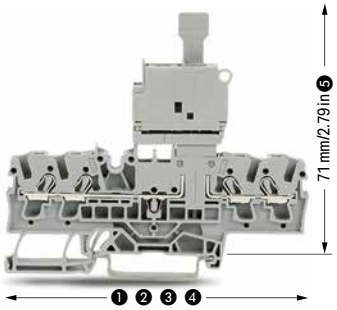
Accessories; for all products on this page

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug; 6.3 A

Item No.	PU (SPU)
281-503	250 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2004 Series
Technical Information for Fuse Plug on Carrier Terminal Block

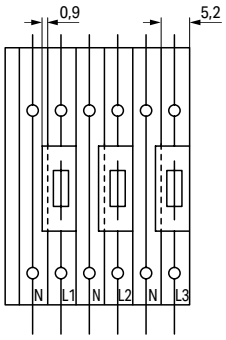


Fuse plug dimensions:
❶ 66.1 mm / 2.62 inch for 2002-1661
❷ 76.8 mm / 3.02 inch for 2002-1761
❸ 87.5 mm / 3.45 inch for 2002-1861
❹ 72.9 mm / 2.87 inch for 2002-1961
❺ with inserted fuse plug

Glass cartridge fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2004-911 2004-911/....-....	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



Open side of terminal block left

Please note:
The extra width of the plug (6.1 mm compared to 5.2 mm for carrier terminal blocks) must be compensated for with intermediate plates (1 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.

Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:
- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"
-
- Fuse plug features for quick and safe applications:
- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 5.2/6.1 mm
- May be used as a disconnect plug in combination with a shorting link

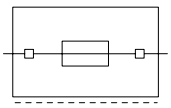
Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
6 (10) mm²

1

Fuse plug; with pull-tab ▸ Plug width 7.4 mm / 0.291 inch ▸ gray

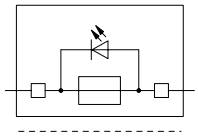
Electrical ratings are given by the fuse.

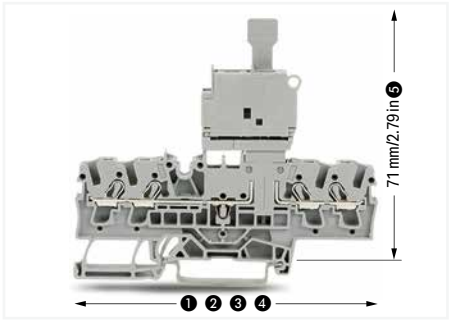
2006-911



with indicatior lamp ▸ Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

2006-911/1000-541





Fuse plug dimensions:
1. 66.1 mm / 2.62 inch for 2002-1661
2. 76.8 mm / 3.02 inch for 2002-1761
3. 87.5 mm / 3.45 inch for 2002-1861
4. 72.9 mm / 2.87 inch for 2002-1961
5. with inserted fuse plug

Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:
- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"

Fuse plug features for quick and safe applications:
- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 5.2/6.1 mm
- May be used as a disconnect plug in combination with a shorting link

for 5 x 20 mm miniature metric fuse		
Blown fuse indication	Item No.	PU
ohne	2006-911	25

for 5 x 20 mm miniature metric fuse		
Blown fuse indication	Item No.	PU
12 … 30 V	2006-911/1000-541	25
30 … 65 V	2006-911/1000-542	25
230 V	2006-911/1000-836	25

for 5 x 30 mm miniature metric fuse		
Blown fuse indication	Item No.	PU
ohne	2006-921	25

for 5 x 30 mm miniature metric fuse		
Blown fuse indication	Item No.	PU
12 … 30 V	2006-921/1000-541	25
30 … 65 V	2006-921/1000-542	25
230 V	2006-921/1000-836	25
380 … 500 V	2006-921/1000-859	25

for glass cartridge fuse ¼" x 1¼"		
Blown fuse indication	Item No.	PU
ohne	2006-931	25

for glass cartridge fuse ¼" x 1¼"		
Blown fuse indication	Item No.	PU
12 … 30 V	2006-931/1000-541	25
120 V	2006-931/1000-867	25
230 V	2006-931/1000-836	25
380 … 500 V	2006-931/1000-859	25

Suitable for:	
Carrier terminal block	Page

Suitable for:	
v	Page

Electrical data	
Pollution degree	3
Nominal voltage (III/3)	800 V
Rated current	10 A

Accessories; for all products on this page

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug; 6.3 A

	Item No.	PU (SPU)
	281-503	250 (25)

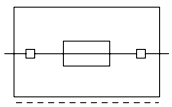
PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2006 Series
6 (10) mm²

Fuse plug; with pull-tab ▸ Plug width 10.4 mm / 0.409 inch ▸ gray

Electrical ratings are given by the fuse.

2006-931/099-000



for glass cartridge fuse ¼" x 1¼"

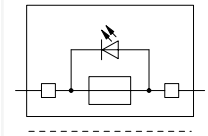
Blown fuse indication	Item No.	PU
ohne	2006-931/099-000	25

Suitable for:

Carrier terminal block	Page

with indicatior lamp ▸ Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

2006-931/1099-541



for glass cartridge fuse ¼" x 1¼"

Blown fuse indication	Item No.	PU
12 … 30 V	2006-931/1099-541	25
30 … 65 V	2006-931/1099-542	25
230 V	2006-931/1099-836	25
380 … 500 V	2006-931/1099-859	25

Suitable for:

Carrier terminal block	Page

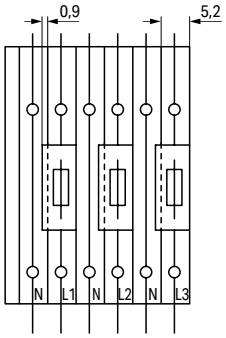
Electrical data

Pollution degree	3
Nominal voltage (III/3)	800 V
Rated current	10 A

Glass cartridge fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2004-911 2004-911/….-….	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



Open side of terminal block left

Please note:
The extra width of the plug (6.1 mm compared to 5.2 mm for carrier terminal blocks) must be compensated for with intermediate plates (1 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.

Accessories; for all products on this page

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug; 6.3 A

Item No.	PU (SPU)
281-503	250 (25)

PU = packaging unit; SPU = subpackaging unit

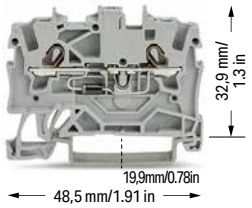
Function terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 1

Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Continuous current (max.)	500 mA
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 510
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 530
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm ▸ Number of jumper slots: 1

Clamping units: 2



2001-1211/1000-411

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2001-1211/1000-411	100
gray	Left-side anode	2001-1211/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3

2001-1311/1000-411

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2001-1311/1000-411	100
gray	Left-side anode	2001-1311/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4

2001-1411/1000-411

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2001-1411/1000-411	100
gray	Left-side anode	2001-1411/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2001-402	25
1-2-3	2001-403	25
1-2-3-4-5-6-7-8-9-10	2001-410	25
1-3	2001-433	25
1-4	2001-434	25
1-10	2001-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

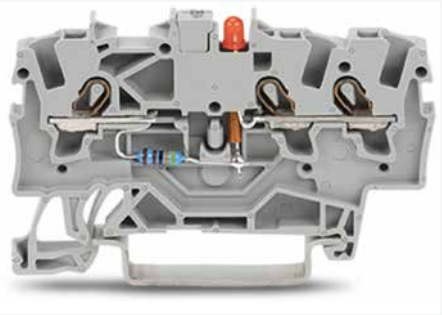
Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm



Electrical data (general)	
Voltage type 1	DC
Nominal voltage	24 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 18 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

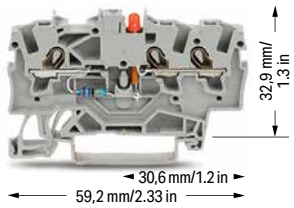
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Function terminal blocks ▸ TOPJOB® S ▸ 2001 Series
Operating tool ▸ 1.5 mm² ▸ Width: 4.2 mm

Clamping units: 3



2001-1321/1000-434

Component terminal block with LED ▸ Color: gray

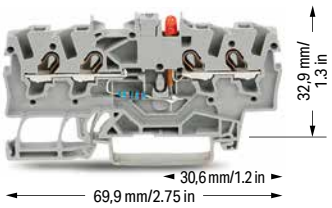
Color	Alignment	Item No.	PU
gray	Left-side anode	2001-1321/1000-434	100
gray	Right-side anode	2001-1321/1000-413	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2001-1421/1000-434

Component terminal block with LED ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Left-side anode	2001-1421/1000-434	100
gray	Right-side anode	2001-1421/1000-413	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

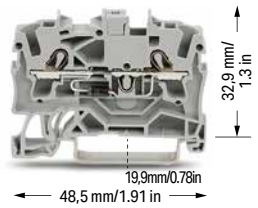
Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 1

Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Continuous current (max.)	500 mA
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 1

Clamping units: 2



2002-1211/1000-411

Component terminal block with diode ▸ Color: gray

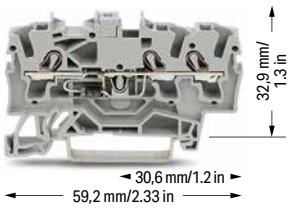
Color	Alignment	Item No.	PU
gray	Right-side anode	2002-1211/1000-411	100
gray	Left-side anode	2002-1211/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3



2002-1311/1000-411

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2002-1311/1000-411	100
gray	Left-side anode	2002-1311/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4

2002-1411/1000-411

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2002-1411/1000-411	100
gray	Left-side anode	2002-1411/1000-410	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

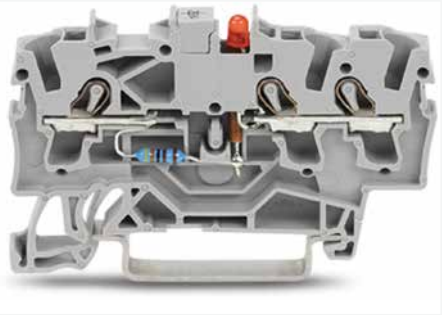
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm



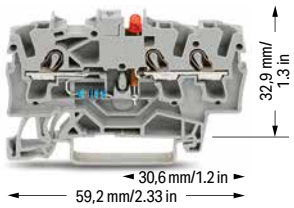
Electrical data (general)	
Voltage type 1	DC
Nominal voltage	24 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 525
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Clamping units: 3



2002-1321/1000-434

Component terminal block with LED ▸ Color: gray

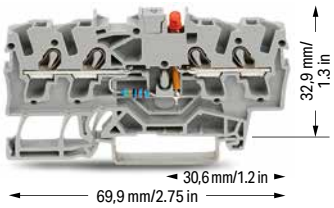
Color	Alignment	Item No.	PU
gray	Left-side anode	2002-1321/1000-434	100
gray	Right-side anode	2002-1321/1000-413	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2002-1421/1000-434

Component terminal block with LED ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Left-side anode	2002-1421/1000-434	100
gray	Right-side anode	2002-1421/1000-413	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

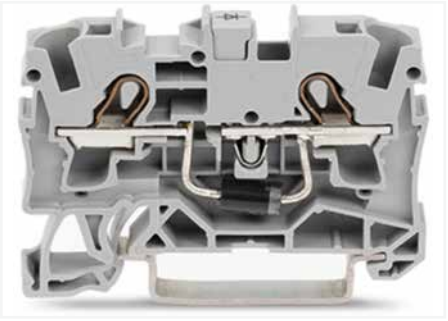
Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2004 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm

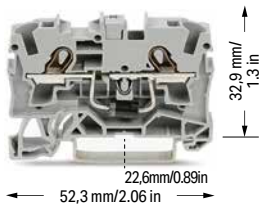


Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Continuous current (max.)	1.5 A
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Test and measurement	Page 532
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2004 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm

Clamping units: 2



2004-1211/1000-401

Component terminal block with diode ▸ Color: gray

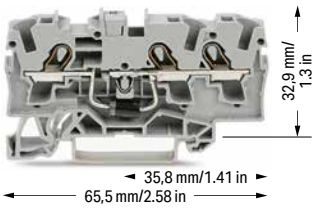
Color	Alignment	Item No.	PU
gray	Right-side anode	2004-1211/1000-401	50
gray	Left-side anode	2004-1211/1000-400	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1292	100 (25)
gray	2004-1291	100 (25)

Clamping units: 3



2004-1311/1000-401

Component terminal block with diode ▸ Color: gray

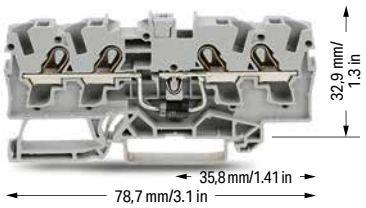
Color	Alignment	Item No.	PU
gray	Right-side anode	2004-1311/1000-401	50
gray	Left-side anode	2004-1311/1000-400	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1392	100 (25)
gray	2004-1391	100 (25)

Clamping units: 4



2004-1411/1000-401

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anode	2004-1411/1000-401	50
gray	Left-side anode	2004-1411/1000-400	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2004-1492	100 (25)
gray	2004-1491	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

PU = packaging unit; SPU = subpackaging unit

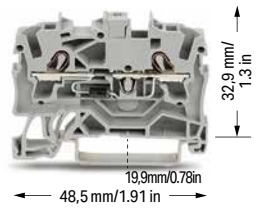
Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 1

Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Continuous current (max.)	500 mA
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 1

Clamping units: 2



2002-1211/1000-410

Component terminal block with diode ▸ Color: gray

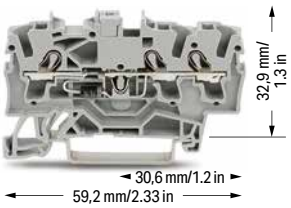
Color	Alignment	Item No.	PU
gray	Left-side anode	2202-1211/1000-410	100
gray	Right-side anode	2202-1211/1000-411	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1292	100 (25)
gray	2002-1291	100 (25)

Clamping units: 3



2002-1311/1000-410

Component terminal block with diode ▸ Color: gray

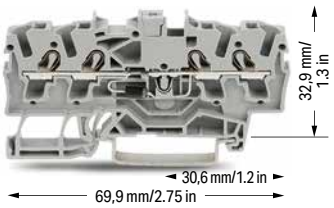
Color	Alignment	Item No.	PU
gray	Left-side anode	2202-1311/1000-410	100
gray	Right-side anode	2202-1311/1000-411	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1392	100 (25)
gray	2002-1391	100 (25)

Clamping units: 4



2002-1411/1000-410

Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Left-side anode	2202-1411/1000-410	100
gray	Right-side anode	2202-1411/1000-411	100

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-1492	100 (25)
gray	2002-1491	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

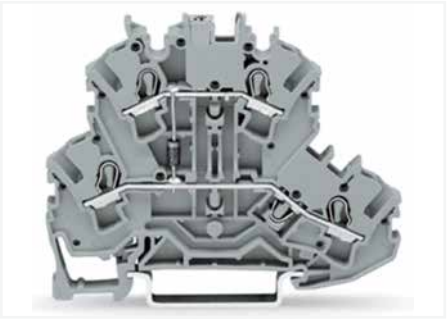
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

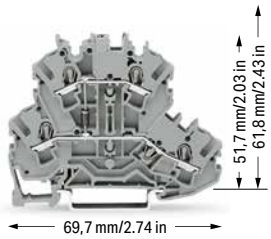


Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4

with 1N4007 diode

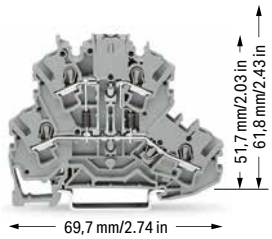


2002-2211/1000-410

Double-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-2211/1000-410	50
gray	Top anode	2002-2211/1000-411	50

with 2 1N4007 diodes



2002-2213/1000-487

Double-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-2213/1000-487	50
gray	Top anodes	2002-2213/1000-488	50

1

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

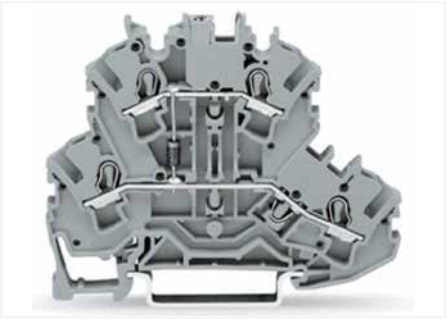
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

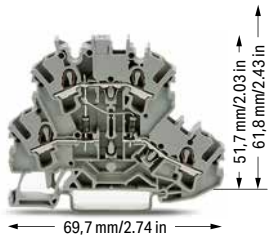
Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ with 2 1N4007 diodes



Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

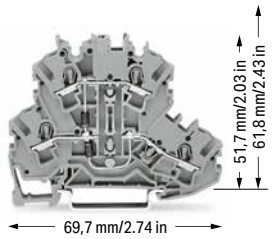
Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ with 2 1N4007 diodes



2002-2214/1000-489

Double-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-2214/1000-489	50
gray	Top anodes	2002-2214/1000-490	50



2002-2214/1000-492

Double-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Top anode, left-side anode	2002-2214/1000-492	50
gray	Top anode, right-side anode	2002-2214/1000-491	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

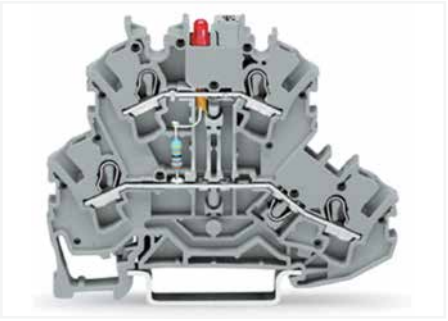
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

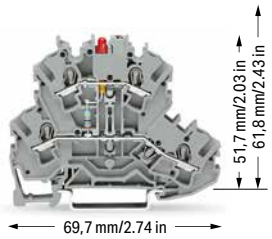
Function terminal blocks ▶ TOPJOB® S ▶ 2002 Series
Operating tool ▶ 2.5 mm² ▶ Width: 5.2 mm ▶ Clamping units: 4 ▶ Red LED



Electrical data (general)	
Voltage type 1	DC
Nominal voltage	24 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 4 ▸ Red LED



2002-2221/1000-434

Double-deck terminal block; Component terminal block with LED ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-2221/1000-434	50
gray	Top anode	2002-2221/1000-413	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

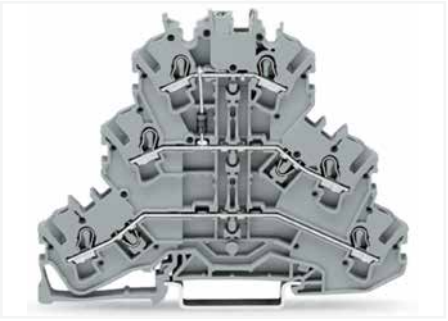
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

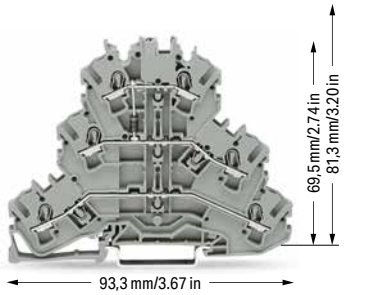


Electrical data (general)	
Nominal voltage	250 V
Reverse voltage	1000 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6

with 1N4007 diode

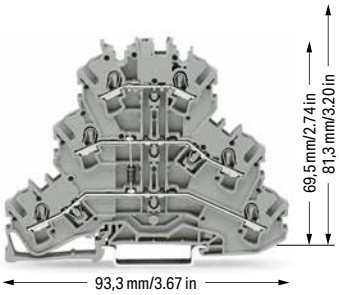


2002-3211/1000-410

Triple-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-3211/1000-410	50
gray	Top anode	2002-3211/1000-411	50

with 1N4007 diode

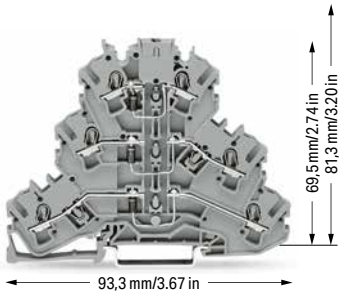


2002-3211/1000-675

Triple-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-3211/1000-675	50
gray	Top anode	2002-3211/1000-676	50

with 3 1N4007 diodes



2002-3212/1000-673

Triple-deck terminal block; Component terminal block with diode ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Right-side anodes	2002-3212/1000-673	50
gray	Left-side anodes	2002-3212/1000-674	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

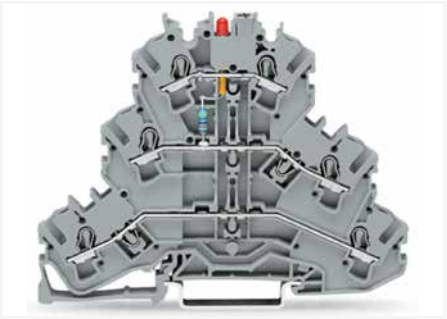
Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

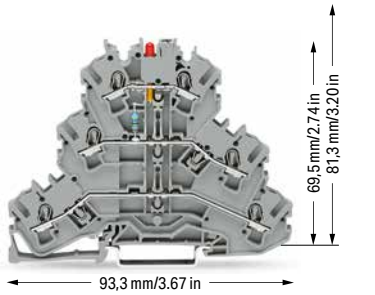
Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6 ▸ Red LED



Electrical data (general)	
Voltage type 1	DC
Nominal voltage	24 V
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 534
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 6 ▸ Red LED



2002-3221/1000-434

Triple-deck terminal block; Component terminal block with LED ▸ Color: gray

Color	Alignment	Item No.	PU
gray	Bottom anode	2002-3221/1000-434	50
gray	Top anode	2002-3221/1000-413	50

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Test plug adapter

Color	Item No.	PU (SPU)
gray	2009-174	100 (25)

Testing tap

Color	Item No.	PU (SPU)
gray	2009-182	100 (25)

PU = packaging unit; SPU = subpackaging unit

Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
2.5 (4) mm²

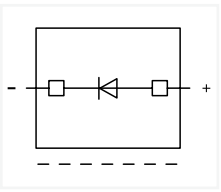
1

Pluggable Diode Module ▸ gray

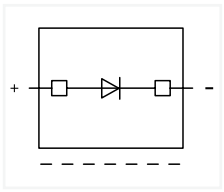
2002-800/1000-411

2002-880/1000-411

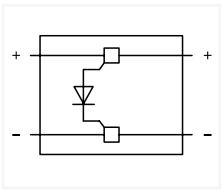
Opening the cover via operating tool (2.5 mm blade).



2002-800/1000-411



2002-800/1000-410



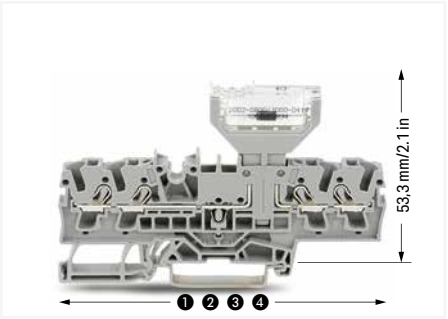
on carrier terminal block ▸ Plug width: 5.2 mm / 0.2 inch		
	Item No.	PU
anode right	2002-800/1000-411	100
anode left	2002-800/1000-410	100

on carrier terminal block ▸ Plug width: 10.4 mm / 0.41 inch		
	Item No.	PU
	2002-880/1000-411	50

Suitable for:	
Carrier terminal block	Page

Suitable for:	
Through terminal block	Page

Electrical data	
Rated current	0.5 A
Nominal voltage	250 V
Reverse voltage	1000 V



Lengths of carrier terminal blocks with a pluggable diode module:
1. 66.1 mm / 2.62 inch for 2002-1661
2. 76.8 mm / 3.02 inch for 2002-1761
3. 87.5 mm / 3.45 inch for 2002-1861
4. 72.9 mm / 2.87 inch for 2002-1961

Lengths of through terminal blocks with a pluggable diode module:
1. 48.5 mm / 1.91 inch for 2002-1201
2. 59.2 mm / 2.33 inch for 2002-1301
3. 69.9 mm / 2.75 inch for 2002-1401

Accessories; for all products on this page

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; IN 18 A

Length	Item No.	PU (SPU)
60 mm	2009-412	100 (10)
110 mm	2009-414	100 (10)
250 mm	2009-416	100 (10)

PU = packaging unit; SPU = subpackaging unit

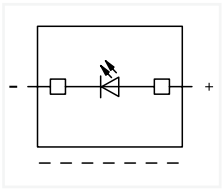
Function terminal blocks ▸ TOPJOB® S ▸ 2002 Series
2.5 (4) mm²

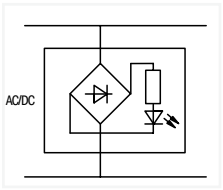
Pluggable LED Module ▸ gray

2002-800/1000-541

2002-880/1000-541

Testing via 2-pole test plugs.





Labeling via WMB Multi markers and marking strips

on carrier terminal block ▸ Plug width: 5.2 mm / 0.2 inch		
Blown fuse indication	Item No.	PU
12 … 30 V	2002-800/1000-541	100
30 … 65 V	2002-800/1000-542	100
230 V	2002-800/1000-836	100

on carrier terminal block ▸ Plug width: 10.4 mm / 0.41 inch		
Blown fuse indication	Item No.	PU
12 … 30 V	2002-880/1000-541	50
30 … 65 V	2002-880/1000-542	50
230 V	2002-880/1000-836	50

Suitable for:	
Carrier terminal block	Page

Suitable for:	
Through terminal block	Page

Electrical data	
Rated current	0.003 A

Lengths of carrier terminal blocks with a pluggable diode module:
1 66.1 mm / 2.62 inch for 2002-1661
2 76.8 mm / 3.02 inch for 2002-1761
3 87.5 mm / 3.45 inch for 2002-1861
4 72.9 mm / 2.87 inch for 2002-1961

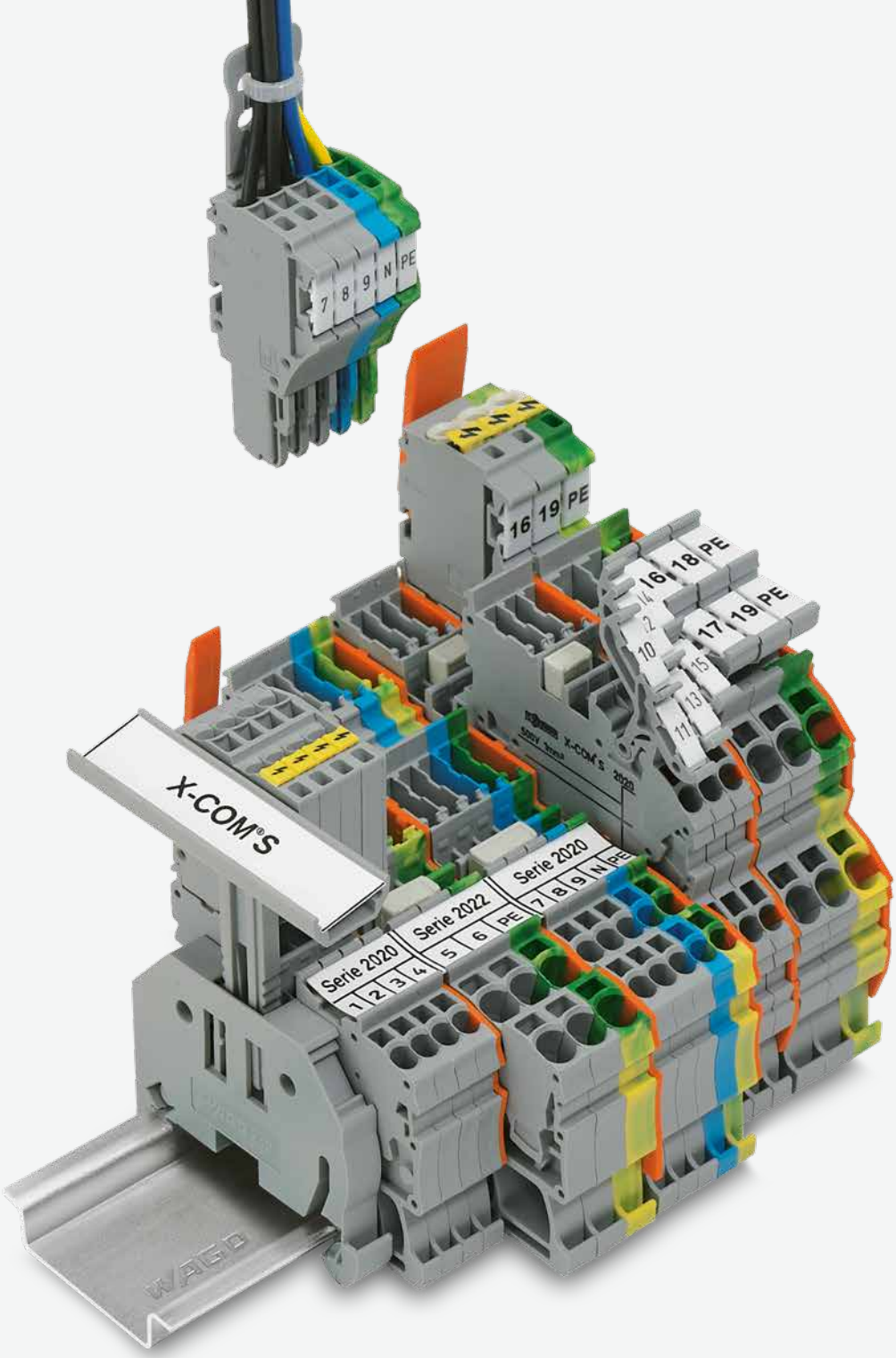
Lengths of through terminal blocks with a pluggable diode module:
1 48.5 mm / 1.91 inch for 2002-1201
2 59.2 mm / 2.33 inch for 2002-1301
3 69.9 mm / 2.75 inch for 2002-1401

Accessories; for all products on this page

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; IN 18 A

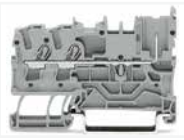
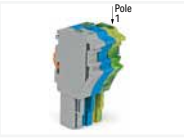
Length	Item No.	PU (SPU)
60 mm	2009-412	100 (10)
110 mm	2009-414	100 (10)
250 mm	2009-416	100 (10)

PU = packaging unit; SPU = subpackaging unit



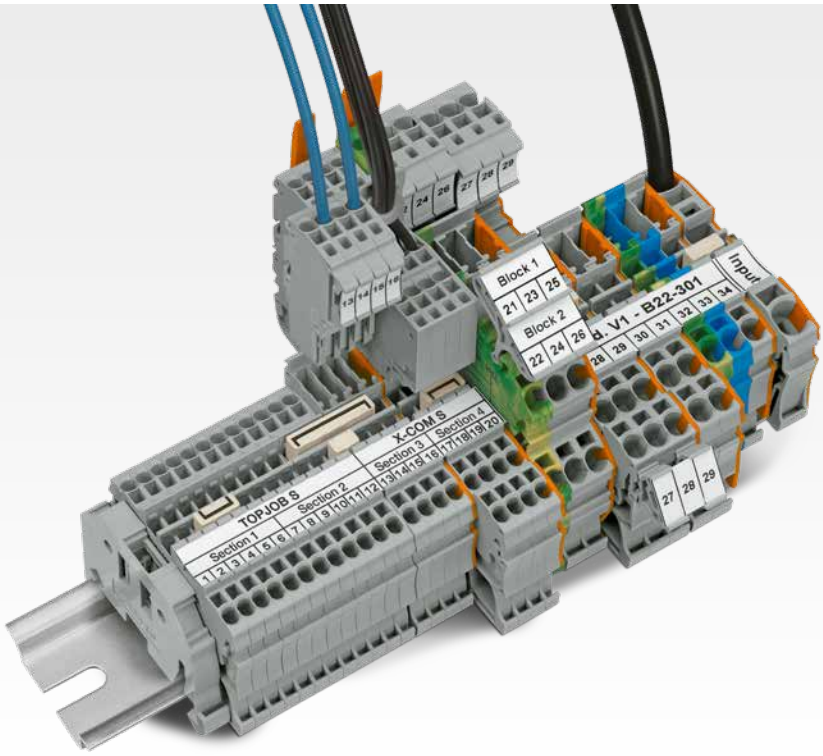
WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM

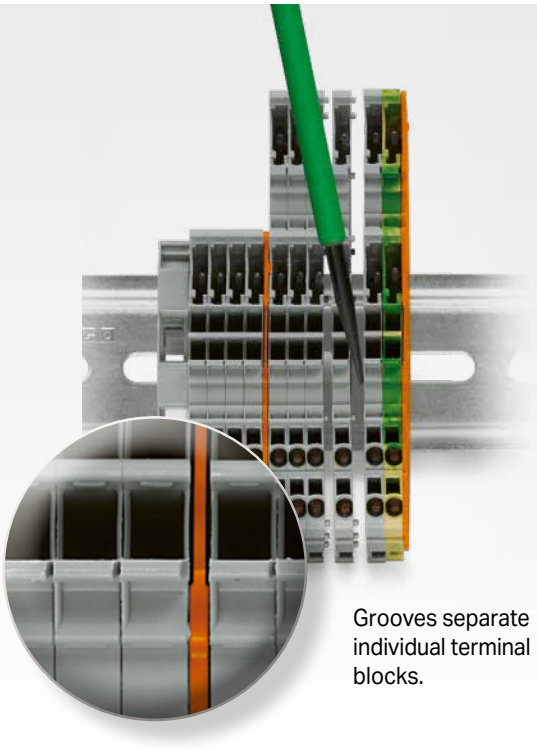
WAGO Rail-Mount Terminal Blocks with a Pluggable Connector X-COM®S-SYSTEM

			Page
	X-COM®S-SYSTEM-MINI **Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks** 0.14 … 1 (1.5) mm² (24 … 16 AWG)	2020 Series	344
	Double-Deck Carrier Terminal Blocks 0.14 … 1 (1.5) mm² (24 … 16 AWG)	2020 Series	346
	1-Conductor Female Plugs and 2-Conductor Female Plugs 0.14 … 1 (1.5) mm² (24 … 16 AWG)	2020 Series	350
	**X-COM®S-SYSTEM** **Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks ▸ with/without Push-Buttons** 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2222/2022 Series	366
	Double-Deck Carrier Terminal Blocks 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2022 Series	372
	1-Conductor Female Plugs 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2022 Series	376
	X-COM®S-SYSTEM, for Ex ec Applications **Through Carrier Terminal Blocks and Ground Conductor Carrier Terminal Blocks ▸ with/without Push-Buttons** 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2222/2022 Series	388
	Double-Deck Carrier Terminal Blocks 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2022 Series	394
	**1-Conductor Female Plugs** 0.25 … 2.5 (4) mm² (22 … 12 AWG)	2022 Series	398

Pluggable Rail-Mount Terminal Blocks

X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI

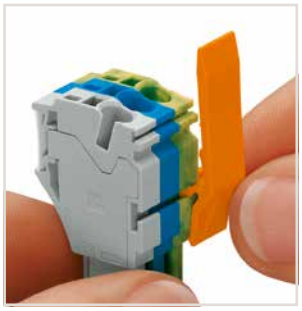




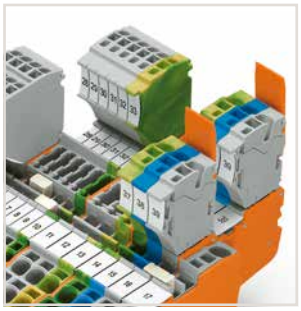
Grooves separate individual terminal blocks.

X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI

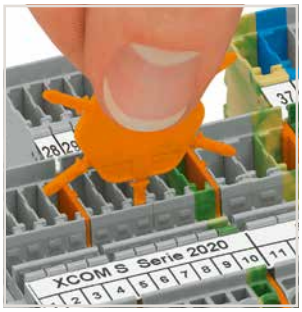
- COM-bine pluggable connectors and rail-mount terminal blocks
- X-COM®S-SYSTEM (2022 Series): up to 4 mm² (12 AWG) at 32 A
- X-COM®S-SYSTEM-MINI (2020 Series): up to 1.5 mm² (16 AWG) at just 3.5 mm (0.137 inch) terminal block wide
- Save time and money via pre-assembled components
- Preassembled units can be tested before installation
- Components can be quickly and reliably replaced due to 100% mismating and touch-proof protection



Slide the locking lever into position.

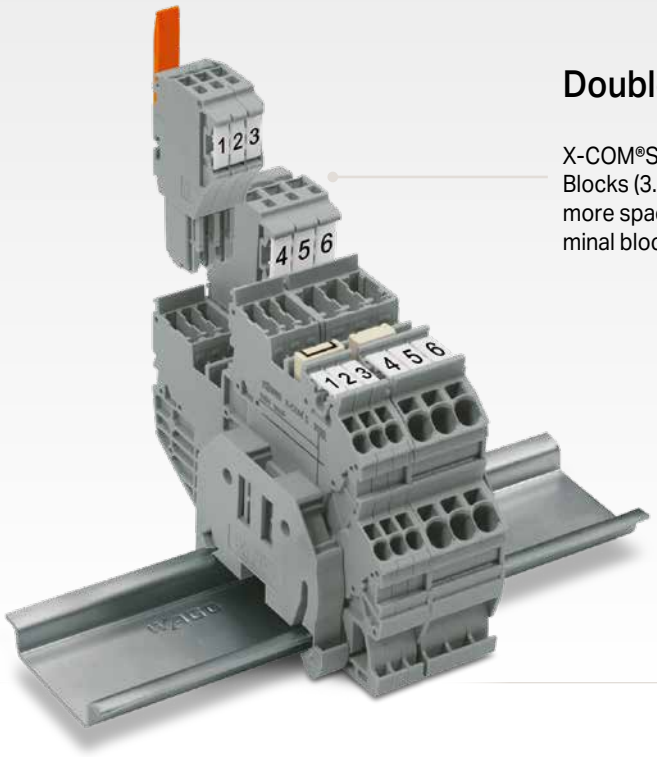


Female plugs can be individually locked.



Insert coding pin into the corresponding slot and twist it off.

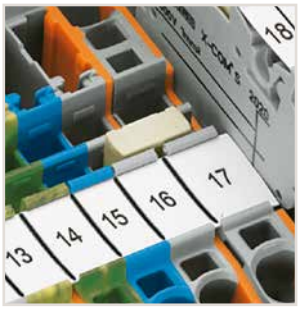
Remove the coding finger using a cutting tool.



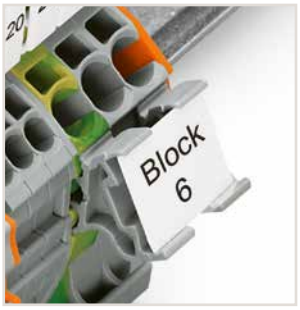
Double Space Savings

X-COM®S-SYSTEM-MINI Terminal Blocks (3.5 mm wide) – save even more space using double-deck terminal blocks.

- X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI Female Plugs are modular.
- Female plug assemblies up to a maximum of 15 poles can be customized.
- X-COM®S-SYSTEM-MINI Female Plugs do not have an integrated end plate; an end plate must be used at the end of the carrier terminal block assembly.

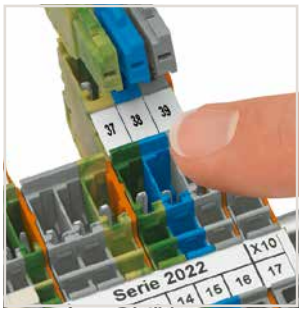


X-COM®S-SYSTEM Terminal Blocks can be commoned using Jumpers TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S.
2020 and 2022 Series Terminal Blocks are combinable.



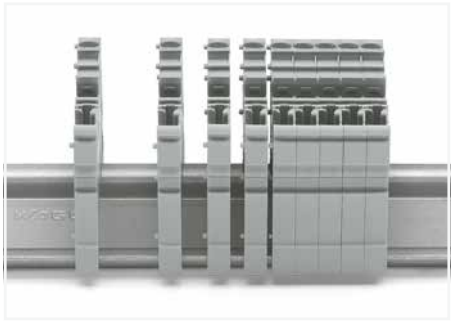
Additional marking option via snap-on type adapter

Test plug adapter (CAT I) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM- MINI Terminal Blocks



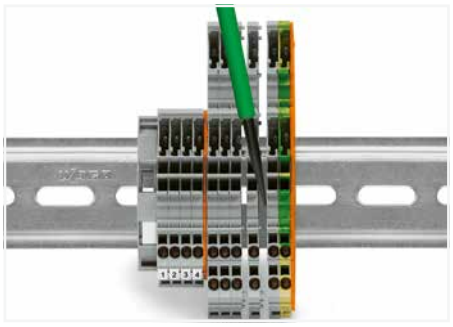
Carrier terminal blocks and female plugs are touch-proof.

X-COM®S-SYSTEM-MINI; 2020 Series
X-COM®S-SYSTEM; 2022 Series
Description and Installation



Snap individual carrier terminal blocks onto the DIN-rail and slide together.

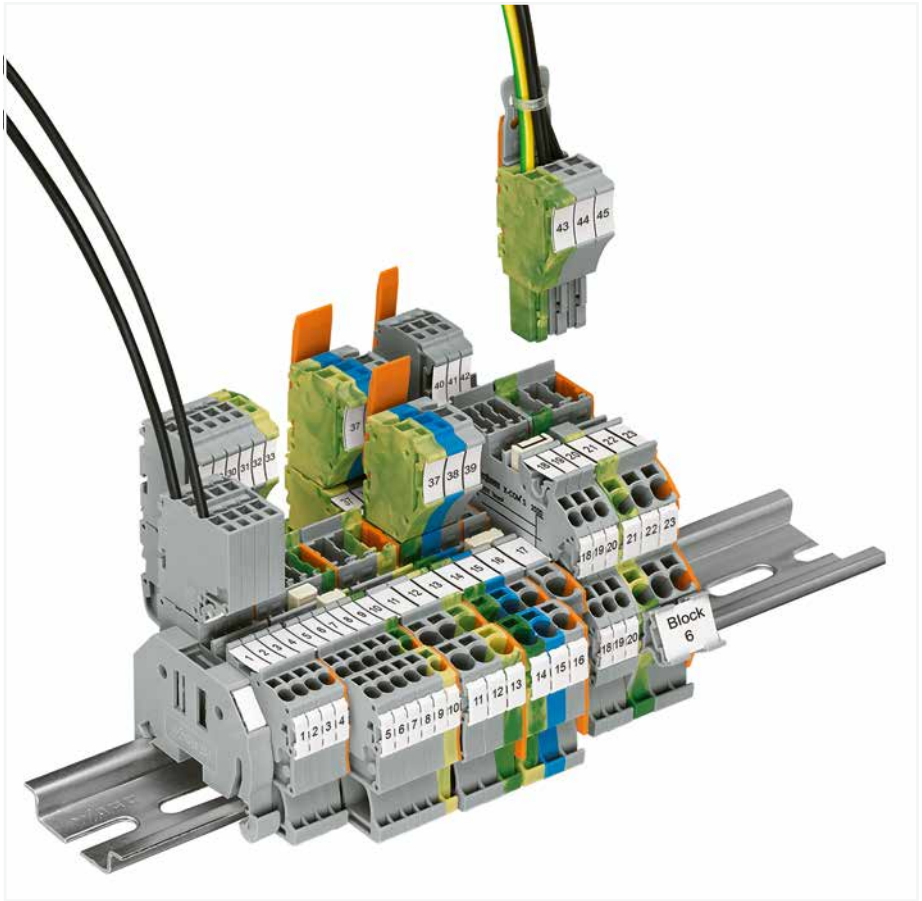
Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



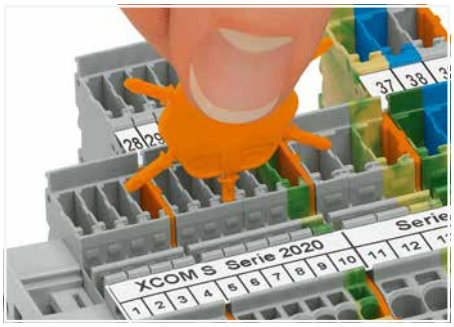
Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.

Carrier terminal blocks and female plugs are touch-proof.

Push-in CAGE CLAMP® enables solid conductors to be connected by simply pushing them into the unit.

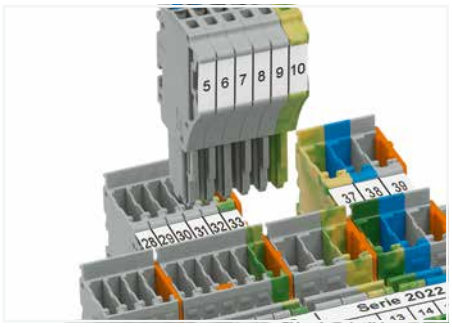


Note: Female plugs used according to the regulations must not be connected/disconnected when live or under load.

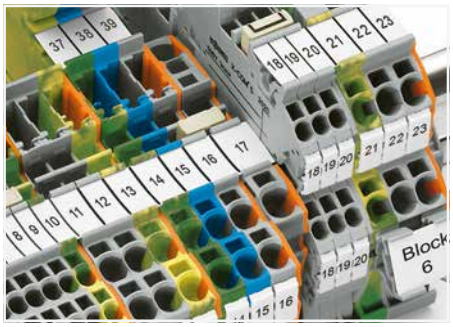


Insert coding pin into the corresponding slot and twist it off.

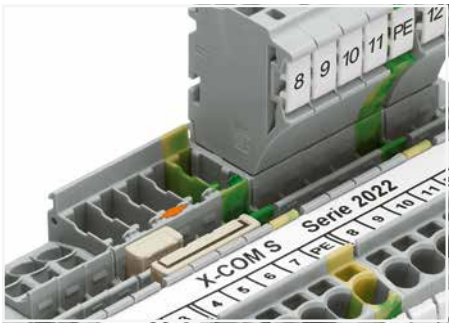
Coding a female plug: remove coding finger using a suitable tool.



Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.

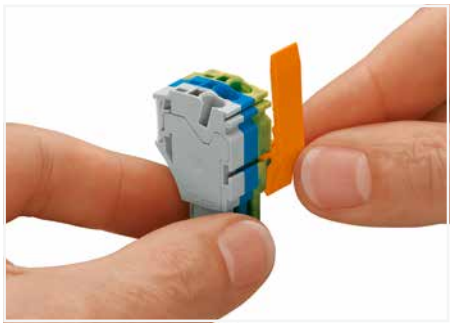


Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for Terminal Blocks TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.

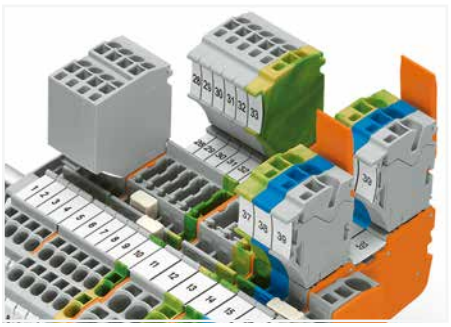


Pairing push-in comb style jumpers.

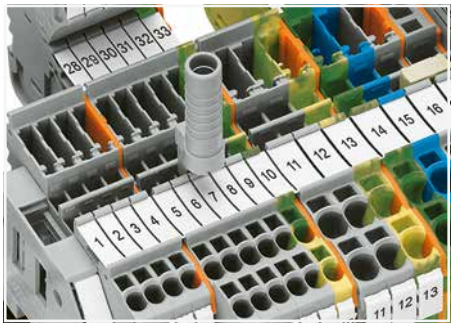
Commoning with push-in type wire jumper.



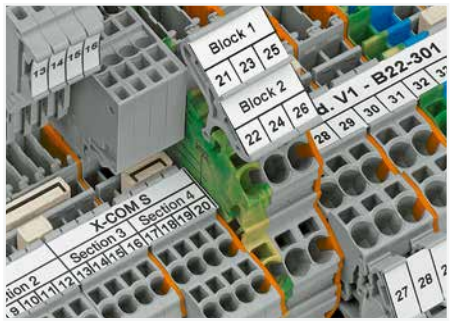
Slide the locking lever into position.



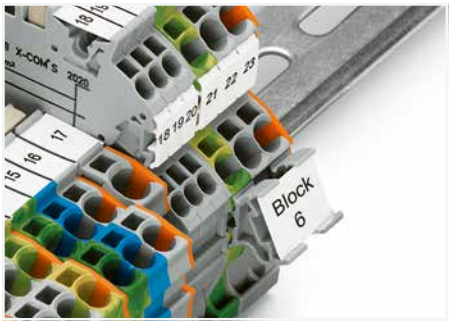
Female plugs can be individually locked.



Test plug adapter (Item No. 2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.



Clear marking via large marking area



Marker carrier (Item No. 2009-198)

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V		
Rated current	15 A	15 A	15 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V		
Rated current	10 A	10 A	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

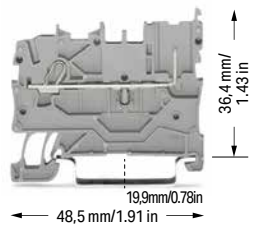
DIN-rail	Page 582
Ferrule	Page 602
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 529
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

Clamping units: 1 ▸ Female plug slots: 1



2020-1201

1-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2020-1201	50
blue	2020-1204	50

1-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

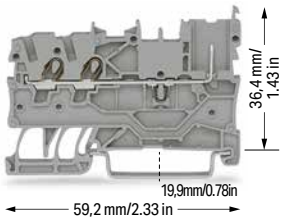
Color	Item No.	PU
green-yellow	2020-1207	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2020-1292	100 (25)
gray	2020-1291	100 (25)

Clamping units: 2 ▸ Female plug slots: 1



2020-1301

2-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2020-1301	50
blue	2020-1304	50

2-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

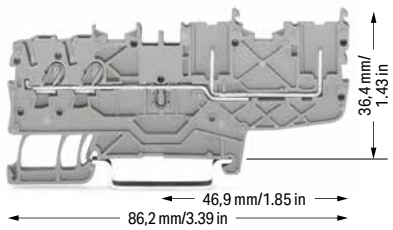
Color	Item No.	PU
green-yellow	2020-1307	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2020-1392	100 (25)
gray	2020-1391	100 (25)

Clamping units: 2 ▸ Female plug slots: 2



2020-1401

2-conductor/2-pin carrier terminal block

Color	Item No.	PU
gray	2020-1401	50
blue	2020-1404	50

2-conductor/2-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2020-1407	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2020-1492	100 (25)
gray	2020-1491	100 (25)

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

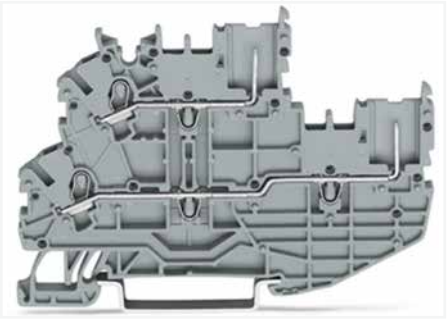
Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 2 ▸ Female plug slots: 2



2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V		
Rated current	15 A	15 A	15 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Mechanical data	
Design	horizontal type

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

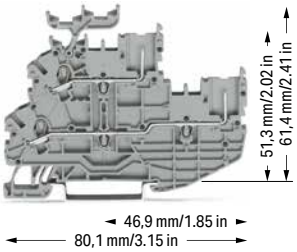
DIN-rail	Page 582
Ferrule	Page 602
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

Internally commoned levels: No ▸ Number of jumper slots: 4



2020-2231

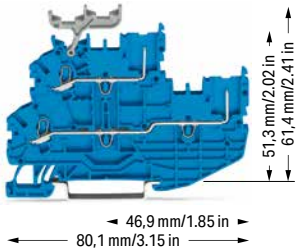
1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2020-2231	50
gray	N/L	2020-2232	50
gray	L/N	2020-2233	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2020-2201	50
gray	N/L	2020-2202	50
gray	L/N	2020-2203	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2020-2234

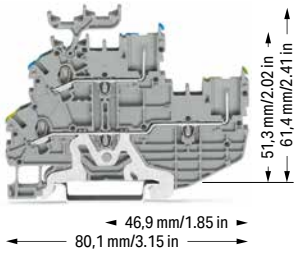
1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2020-2234	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2020-2204	50

Internally commoned levels: No ▸ Number of jumper slots: 4



2020-2247

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2020-2247	50
gray	PE/L	2020-2257	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2020-2217	50
gray	PE/L	2020-2227	50

2

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2020-2292	25
gray	2020-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

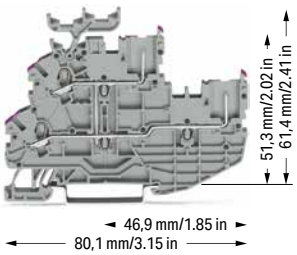
Item No.	PU (SPU)
2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

2

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2020-2238

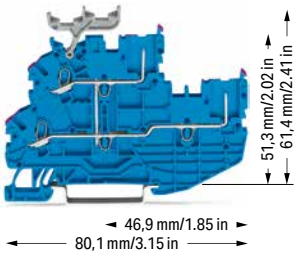
2-conductor/1-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2020-2238	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2020-2208	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2020-2239

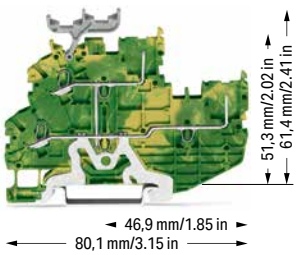
2-conductor/1-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2020-2239	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2020-2209	50

Internally commoned levels: Yes ▸ Number of jumper slots: 3



2020-2237

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2020-2237	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2020-2207	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2020-2292	25
gray	2020-2291	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

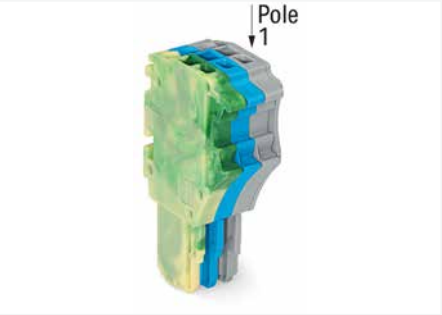
Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2020-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²



2

Electrical data				
Ratings per	**IEC/EN 61984**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	15 A	15 A	15 A	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	10 A	10 A	10 A	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.
Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Ferrule	Page 602
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

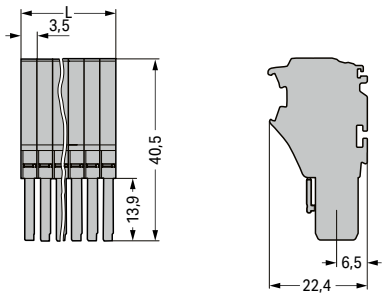
Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 1

gray

2020-103

Color	Pole number	Item No.	PU
gray	2	2020-102	100
gray	3	2020-103	50
gray	4	2020-104	50
gray	5	2020-105	50
gray	6	2020-106	25
gray	7	2020-107	25
gray	8	2020-108	25
gray	9	2020-109	25
gray	10	2020-110	25
gray	11	2020-111	20
gray	12	2020-112	20
gray	13	2020-113	10
gray	14	2020-114	10
gray	15	2020-115	10



L = (pole no. x module width) + 0.7 mm

gray/green-yellow

2020-103/000-036

Color	Pole number	Item No.	PU
gray/green-yellow	3	2020-103/000-036	50
gray/green-yellow	4	2020-104/000-036	50
gray/green-yellow	5	2020-105/000-036	50
gray/green-yellow	6	2020-106/000-036	25
gray/green-yellow	7	2020-107/000-036	25
gray/green-yellow	8	2020-108/000-036	25
gray/green-yellow	9	2020-109/000-036	25
gray/green-yellow	10	2020-110/000-036	25
gray/green-yellow	11	2020-111/000-036	20
gray/green-yellow	12	2020-112/000-036	20
gray/green-yellow	13	2020-113/000-036	10
gray/green-yellow	14	2020-114/000-036	10
gray/green-yellow	15	2020-115/000-036	10

green-yellow/gray

2020-103/000-037

Color	Pole number	Item No.	PU
green-yellow/gray	3	2020-103/000-037	50
green-yellow/gray	4	2020-104/000-037	50
green-yellow/gray	5	2020-105/000-037	50
green-yellow/gray	6	2020-106/000-037	25
green-yellow/gray	7	2020-107/000-037	25
green-yellow/gray	8	2020-108/000-037	25
green-yellow/gray	9	2020-109/000-037	25
green-yellow/gray	10	2020-110/000-037	25
green-yellow/gray	11	2020-111/000-037	20
green-yellow/gray	12	2020-112/000-037	20
green-yellow/gray	13	2020-113/000-037	10
green-yellow/gray	14	2020-114/000-037	10
green-yellow/gray	15	2020-115/000-037	10

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 1

gray/blue/green-yellow

2020-103/000-038

Color	Pole number	Item No.	PU
gray/blue/green-yellow	3	2020-103/000-038	50
gray/blue/green-yellow	4	2020-104/000-038	50
gray/blue/green-yellow	5	2020-105/000-038	50
gray/blue/green-yellow	6	2020-106/000-038	25
gray/blue/green-yellow	7	2020-107/000-038	25
gray/blue/green-yellow	8	2020-108/000-038	25
gray/blue/green-yellow	9	2020-109/000-038	25
gray/blue/green-yellow	10	2020-110/000-038	25
gray/blue/green-yellow	11	2020-111/000-038	20
gray/blue/green-yellow	12	2020-112/000-038	20
gray/blue/green-yellow	13	2020-113/000-038	10
gray/blue/green-yellow	14	2020-114/000-038	10
gray/blue/green-yellow	15	2020-115/000-038	10

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 1

green-yellow/blue/gray

2020-103/000-039

Color	Pole number	Item No.	PU
green-yellow/blue/gray	3	2020-103/000-039	50
green-yellow/blue/gray	4	2020-104/000-039	50
green-yellow/blue/gray	5	2020-105/000-039	50
green-yellow/blue/gray	6	2020-106/000-039	25
green-yellow/blue/gray	7	2020-107/000-039	25
green-yellow/blue/gray	8	2020-108/000-039	25
green-yellow/blue/gray	9	2020-109/000-039	25
green-yellow/blue/gray	10	2020-110/000-039	25
green-yellow/blue/gray	11	2020-111/000-039	20
green-yellow/blue/gray	12	2020-112/000-039	20
green-yellow/blue/gray	13	2020-113/000-039	10
green-yellow/blue/gray	14	2020-114/000-039	10
green-yellow/blue/gray	15	2020-115/000-039	10

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

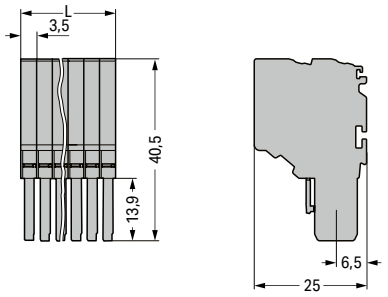
Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 2

gray

2020-202

Color	Pole number	Item No.	PU
gray	2	2020-202	100
gray	3	2020-203	50
gray	4	2020-204	50
gray	5	2020-205	50
gray	6	2020-206	25
gray	7	2020-207	25
gray	8	2020-208	25
gray	9	2020-209	25
gray	10	2020-210	25
gray	11	2020-211	20
gray	12	2020-212	20
gray	13	2020-213	10
gray	14	2020-214	10
gray	15	2020-215	10



L = (pole no. x module width) + 0.7 mm

gray/green-yellow

2020-203/000-036

Color	Pole number	Item No.	PU
gray/green-yellow	3	2020-203/000-036	50
gray/green-yellow	4	2020-204/000-036	50
gray/green-yellow	5	2020-205/000-036	50
gray/green-yellow	6	2020-206/000-036	25
gray/green-yellow	7	2020-207/000-036	25
gray/green-yellow	8	2020-208/000-036	25
gray/green-yellow	9	2020-209/000-036	25
gray/green-yellow	10	2020-210/000-036	25
gray/green-yellow	11	2020-211/000-036	20
gray/green-yellow	12	2020-212/000-036	20
gray/green-yellow	13	2020-213/000-036	10
gray/green-yellow	14	2020-214/000-036	10
gray/green-yellow	15	2020-215/000-036	10

green-yellow/gray

2020-203/000-037

Color	Pole number	Item No.	PU
green-yellow/gray	3	2020-203/000-037	50
green-yellow/gray	4	2020-204/000-037	50
green-yellow/gray	5	2020-205/000-037	50
green-yellow/gray	6	2020-206/000-037	25
green-yellow/gray	7	2020-207/000-037	25
green-yellow/gray	8	2020-208/000-037	25
green-yellow/gray	9	2020-209/000-037	25
green-yellow/gray	10	2020-210/000-037	25
green-yellow/gray	11	2020-211/000-037	20
green-yellow/gray	12	2020-212/000-037	20
green-yellow/gray	13	2020-213/000-037	10
green-yellow/gray	14	2020-214/000-037	10
green-yellow/gray	15	2020-215/000-037	10

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 2

gray/blue/green-yellow

2020-203/000-038

Color	Pole number	Item No.	PU
gray/blue/green-yellow	3	2020-203/000-038	50
gray/blue/green-yellow	4	2020-204/000-038	50
gray/blue/green-yellow	5	2020-205/000-038	50
gray/blue/green-yellow	6	2020-206/000-038	25
gray/blue/green-yellow	7	2020-207/000-038	25
gray/blue/green-yellow	8	2020-208/000-038	25
gray/blue/green-yellow	9	2020-209/000-038	25
gray/blue/green-yellow	10	2020-210/000-038	25
gray/blue/green-yellow	11	2020-211/000-038	20
gray/blue/green-yellow	12	2020-212/000-038	20
gray/blue/green-yellow	13	2020-213/000-038	10
gray/blue/green-yellow	14	2020-214/000-038	10
gray/blue/green-yellow	15	2020-215/000-038	10

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 2

green-yellow/blue/gray

2020-203/000-039

Color	Pole number	Item No.	PU
green-yellow/blue/gray	3	2020-203/000-039	50
green-yellow/blue/gray	4	2020-204/000-039	50
green-yellow/blue/gray	5	2020-205/000-039	50
green-yellow/blue/gray	6	2020-206/000-039	25
green-yellow/blue/gray	7	2020-207/000-039	25
green-yellow/blue/gray	8	2020-208/000-039	25
green-yellow/blue/gray	9	2020-209/000-039	25
green-yellow/blue/gray	10	2020-210/000-039	25
green-yellow/blue/gray	11	2020-211/000-039	20
green-yellow/blue/gray	12	2020-212/000-039	20
green-yellow/blue/gray	13	2020-213/000-039	10
green-yellow/blue/gray	14	2020-214/000-039	10
green-yellow/blue/gray	15	2020-215/000-039	10

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm² ▸ gray

2

Electrical data				
Ratings per	IEC/EN 61984			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	
Approvals per	UL 1059			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	15 A	15 A	15 A	
Approvals per	CSA 22.2 No 158			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	10 A	10 A	10 A	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.
Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Ferrule	Page 602
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm² ▸ gray

Number of connection points: 1 ▸ Strain relief plate

2020-105/133-000

Color	Pole number	Item No.	PU
gray	2	2020-102/132-000	100
gray	3	2020-103/132-000	50
gray	4	2020-104/133-000	50
gray	5	2020-105/133-000	50
gray	6	2020-106/133-000	25
gray	7	2020-107/134-000	25
gray	8	2020-108/134-000	25
gray	9	2020-109/134-000	25
gray	10	2020-110/135-000	25
gray	11	2020-111/135-000	20
gray	12	2020-112/135-000	20
gray	13	2020-113/135-000	10
gray	14	2020-114/135-000	10
gray	15	2020-115/135-000	10

Number of connection points: 1 ▸ Locking of plug-in connection: Locking lever

2020-105/124-000

Color	Pole number	Item No.	PU
gray	2	2020-102/122-000	100
gray	3	2020-103/122-000	50
gray	4	2020-104/124-000	50
gray	5	2020-105/124-000	50
gray	6	2020-106/124-000	25
gray	7	2020-107/124-000	25
gray	8	2020-108/124-000	25
gray	9	2020-109/124-000	25
gray	10	2020-110/125-000	25
gray	11	2020-111/125-000	20
gray	12	2020-112/125-000	20
gray	13	2020-113/125-000	10
gray	14	2020-114/125-000	10
gray	15	2020-115/125-000	10

Number of connection points: 1 ▸ Locking of plug-in connection: Locking lever ▸ Strain relief plate

2020-105/143-000

Color	Pole number	Item No.	PU
gray	2	2020-102/142-000	100
gray	3	2020-103/142-000	50
gray	4	2020-104/143-000	50
gray	5	2020-105/143-000	50
gray	6	2020-106/143-000	25
gray	7	2020-107/144-000	25
gray	8	2020-108/144-000	25
gray	9	2020-109/144-000	25
gray	10	2020-110/145-000	25
gray	11	2020-111/145-000	20
gray	12	2020-112/145-000	20
gray	13	2020-113/145-000	10
gray	14	2020-114/145-000	10
gray	15	2020-115/145-000	10

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm² ▸ gray

Number of connection points: 2 ▸ Strain relief plate

2020-205/133-000

Color	Pole number	Item No.	PU
gray	2	2020-202/132-000	100
gray	3	2020-203/132-000	50
gray	4	2020-204/133-000	50
gray	5	2020-205/133-000	50
gray	6	2020-206/133-000	25
gray	7	2020-207/134-000	25
gray	8	2020-208/134-000	25
gray	9	2020-209/134-000	25
gray	10	2020-210/135-000	25
gray	11	2020-211/135-000	20
gray	12	2020-212/135-000	20
gray	13	2020-213/135-000	10
gray	14	2020-214/135-000	10
gray	15	2020-215/135-000	10

Number of connection points: 2 ▸ Locking of plug-in connection: Locking lever

2020-205/124-000

Color	Pole number	Item No.	PU
gray	2	2020-202/122-000	100
gray	3	2020-203/122-000	50
gray	4	2020-204/124-000	50
gray	5	2020-205/124-000	50
gray	6	2020-206/124-000	25
gray	7	2020-207/124-000	25
gray	8	2020-208/124-000	25
gray	9	2020-209/124-000	25
gray	10	2020-210/125-000	25
gray	11	2020-211/125-000	20
gray	12	2020-212/125-000	20
gray	13	2020-213/125-000	10
gray	14	2020-214/125-000	10
gray	15	2020-215/125-000	10

Number of connection points: 2 ▸ Locking of plug-in connection: Locking lever ▸ Strain relief plate

2020-205/143-000

Color	Pole number	Item No.	PU
gray	2	2020-202/142-000	100
gray	3	2020-203/142-000	50
gray	4	2020-204/143-000	50
gray	5	2020-205/143-000	50
gray	6	2020-206/143-000	25
gray	7	2020-207/144-000	25
gray	8	2020-208/144-000	25
gray	9	2020-209/144-000	25
gray	10	2020-210/145-000	25
gray	11	2020-211/145-000	20
gray	12	2020-212/145-000	20
gray	13	2020-213/145-000	10
gray	14	2020-214/145-000	10
gray	15	2020-215/145-000	10

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

- **Customizing Modular Female Plugs**
  WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications that require a varying number of poles (e.g., when designing prototypes).

Modules and Pole Numbers
A customized X-COM®S-SYSTEM MINI female plug consists of:

- One base module with an end plate
- Up to 14 end modules

Electrical data				
Ratings per	IEC/EN 61984			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	500 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	13.5 A	-	-	
Approvals per	UL 1059			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	15 A	15 A	15 A	
Approvals per	CSA 22.2 No 158			
Use group	B	C	D	
Rated voltage	300 V			
Rated current	10 A	10 A	10 A	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.
Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Ferrule	Page 602
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Number of connection points: 1

2020-161

Base module			
Color	Pole number	Item No.	PU
gray	1	2020-161	250
blue	1	2020-164	250
green-yellow	1	2020-167	250

End module			
Color	Pole number	Item No.	PU
gray	1	2020-181	250
blue	1	2020-184	250
green-yellow	1	2020-187	250

Number of connection points: 2

2020-261

Base module			
Color	Pole number	Item No.	PU
gray	1	2020-261	250
blue	1	2020-264	250
green-yellow	1	2020-267	250

End module			
Color	Pole number	Item No.	PU
gray	1	2020-281	250
blue	1	2020-284	250
green-yellow	1	2020-287	250

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)
gray	2022-151	100 (25)
orange	2022-152	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM-MINI ▸ 2020 Series
Push-in CAGE CLAMP® ▸ 1 mm²

Customizing Modular Female Plugs
WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

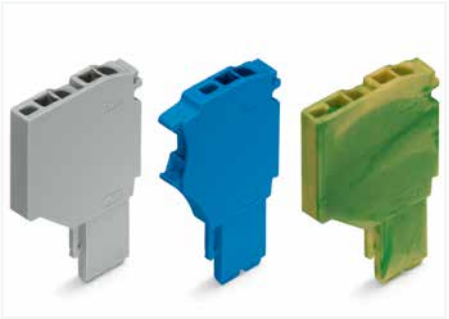
Modules and Pole Numbers
A customized X-COM®S-SYSTEM-MINI female plug consists of:

- One base module with end plate
- Up to 14 end modules

Intended Use
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

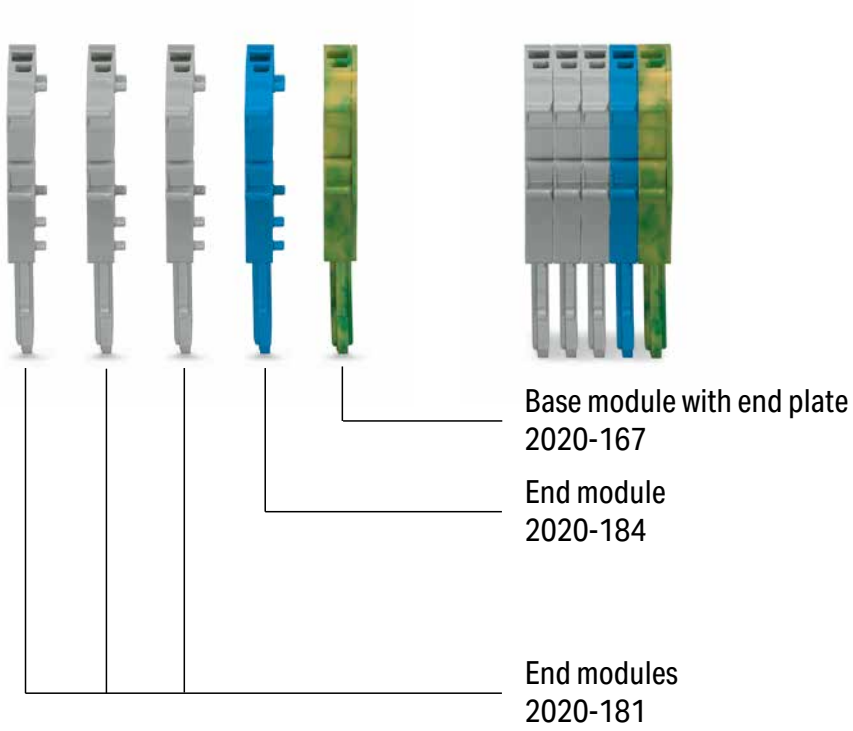
Mounting
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.

End module



Base module

Example: 5-Pole, 1-Conductor Female Plug



Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2222 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

2

Electrical data						
Main product function	1-conductor/1-pin carrier terminal block; 2-conductor/1-pin carrier terminal block			2-conductor/2-pin carrier terminal block		
Female plug slots	1			2		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	690 V	-	-	690 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	28 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	20 A	20 A	-	20 A	20 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	600 V	-	-	600 V	-
Rated current	-	20 A	-	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

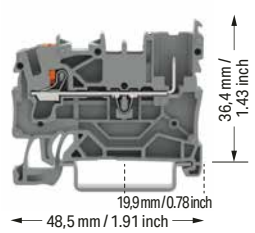
DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2222 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Clamping units: 1 ▸ Female plug slots: 1



2222-1201

1-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2222-1201	100
blue	2222-1204	100
orange	2222-1202	100

1-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

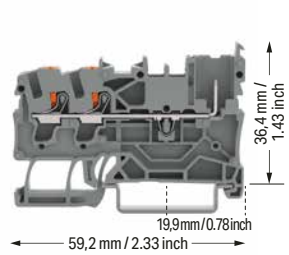
Color	Item No.	PU
green-yellow	2222-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1292	100 (25)
gray	2022-1291	100 (25)

Clamping units: 2 ▸ Female plug slots: 1



2222-1301

2-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2222-1301	100
blue	2222-1304	100
orange	2222-1302	100

2-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

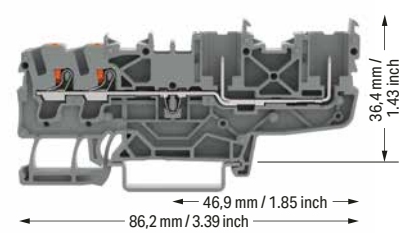
Color	Item No.	PU
green-yellow	2222-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1392	100 (25)
gray	2022-1391	100 (25)

Clamping units: 2 ▸ Female plug slots: 2



2222-1401

2-conductor/2-pin carrier terminal block

Color	Item No.	PU
gray	2222-1401	50
blue	2222-1404	50
orange	2222-1402	50

2-conductor/2-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2222-1407	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1492	100 (25)
gray	2022-1491	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

2

Electrical data						
Main product function	1-conductor/1-pin carrier terminal block; 2-conductor/1-pin carrier terminal block			2-conductor/2-pin carrier terminal block		
Female plug slots	1			2		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	690 V	-	-	690 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	28 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	20 A	20 A	-	20 A	20 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	-	600 V	-	-	600 V	-
Rated current	-	20 A	-	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

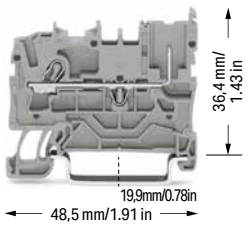
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Clamping units: 1 ▸ Female plug slots: 1



2022-1201

1-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2022-1201	100
blue	2022-1204	100
orange	2022-1202	100

1-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

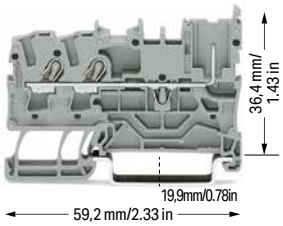
Color	Item No.	PU
green-yellow	2022-1207	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1292	100 (25)
gray	2022-1291	100 (25)

Clamping units: 2 ▸ Female plug slots: 1



2022-1301

2-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2022-1301	100
blue	2022-1304	100
orange	2022-1302	100

2-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

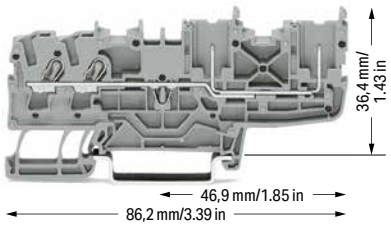
Color	Item No.	PU
green-yellow	2022-1307	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1392	100 (25)
gray	2022-1391	100 (25)

Clamping units: 2 ▸ Female plug slots: 2



2022-1401

2-conductor/2-pin carrier terminal block

Color	Item No.	PU
gray	2022-1401	50
blue	2022-1404	50
orange	2022-1402	50

2-conductor/2-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2022-1407	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1492	100 (25)
gray	2022-1491	100 (25)

2

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

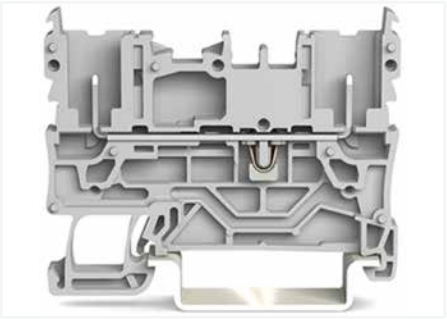
Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Width: 5.2 mm



2

Electrical data			
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	690 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-
Material data			
Material group	I		
Insulation material (main housing)	Polyamide (PA66)		
Flammability class per UL94	V0		
Mechanical data			
Design	horizontal type		
Environmental requirements			
Continuous operating temperature	-60 … +105 °C		

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

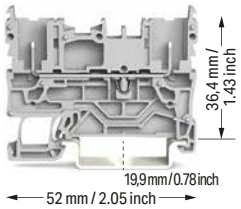
DIN-rail	Page 582
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Width: 5.2 mm

Female plug slots: 2



2022-1601

2-pin carrier terminal block

Color	Item No.	PU
gray	2022-1601	50
blue	2022-1604	50

2-pin ground carrier terminal block ▸ Color: green-yellow

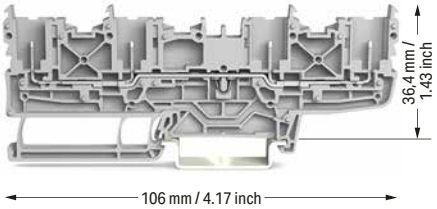
Color	Item No.	PU
green-yellow	2022-1607	50

Item-Specific Accessories

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1692	100 (25)
gray	2022-1691	100 (25)

Female plug slots: 4



2022-1801

4-pin carrier terminal block

Color	Item No.	PU
gray	2022-1801	50
blue	2022-1804	50

4-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2022-1807	50

Item-Specific Accessories

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1892	100 (25)
gray	2022-1891	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

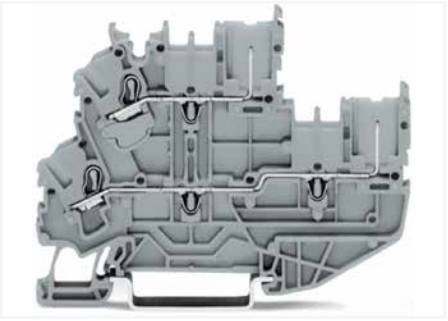
Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2



2

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	690 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	28 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Mechanical data	
Design	horizontal type

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

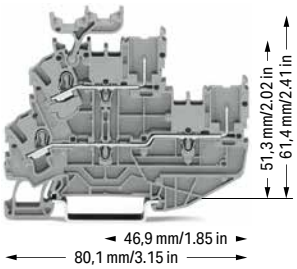
DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554, 560
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

Internally commoned levels: No ▸ Number of jumper slots: 4



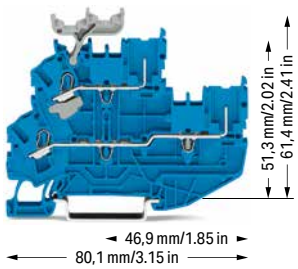
2022-2231

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2022-2231	50
gray	N/L	2022-2232	50
gray	L/N	2022-2233	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2022-2201	50
gray	N/L	2022-2202	50
gray	L/N	2022-2203	50



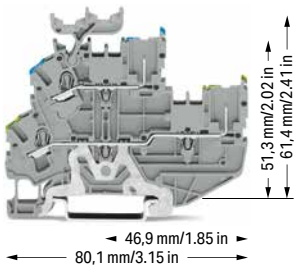
2022-2234

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2022-2234	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2022-2204	50



2022-2247

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2022-2247	50
gray	PE/L	2022-2257	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2022-2217	50
gray	PE/L	2022-2227	50

2

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

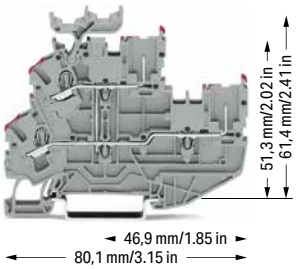
	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series

Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

Internally commoned levels: Yes ▸ Number of jumper slots: 3



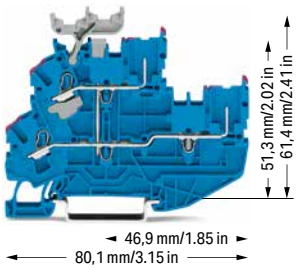
2022-2238

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2022-2238	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2022-2208	50



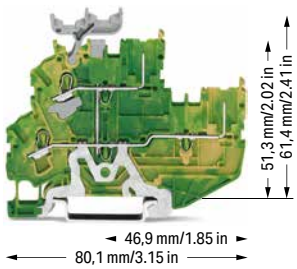
2022-2239

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2022-2239	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2022-2209	50



2022-2237

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2022-2237	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2022-2207	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

2

Electrical data				
Ratings per		**IEC/EN 61984**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	690 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	24 A	-	-	
Current at conductor cross-section (max.) mm²	32 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Ferrule	Page 602
Insulation stop	Page 536
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

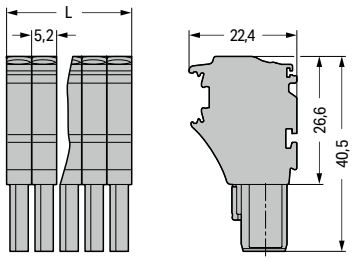
Approvals and corresponding ratings, visit www.wago.com

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

gray

2022-105

Color	Pole number	Item No.	PU
gray	1	2022-101	200
gray	2	2022-102	200
gray	3	2022-103	100
gray	4	2022-104	100
gray	5	2022-105	50
gray	6	2022-106	50
gray	7	2022-107	50
gray	8	2022-108	50
gray	9	2022-109	50
gray	10	2022-110	25
gray	11	2022-111	25
gray	12	2022-112	25
gray	13	2022-113	25
gray	14	2022-114	25
gray	15	2022-115	25

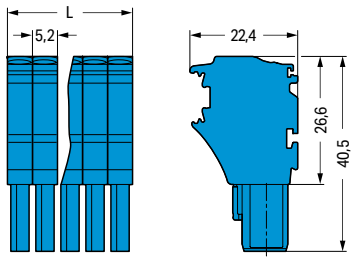


L = pole no. x module width

blue

2022-105/000-006

Color	Pole number	Item No.	PU
blue	1	2022-101/000-006	200
blue	2	2022-102/000-006	200
blue	3	2022-103/000-006	100
blue	4	2022-104/000-006	100
blue	5	2022-105/000-006	50
blue	6	2022-106/000-006	50
blue	7	2022-107/000-006	50
blue	8	2022-108/000-006	50
blue	9	2022-109/000-006	50
blue	10	2022-110/000-006	25
blue	11	2022-111/000-006	25
blue	12	2022-112/000-006	25
blue	13	2022-113/000-006	25
blue	14	2022-114/000-006	25
blue	15	2022-115/000-006	25

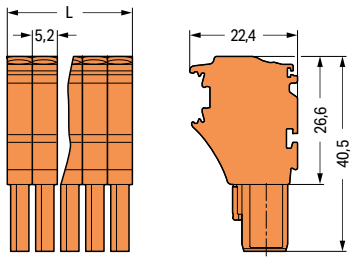


L = pole no. x module width

orange

2022-105/000-012

Color	Pole number	Item No.	PU
orange	1	2022-101/000-012	200
orange	2	2022-102/000-012	200
orange	3	2022-103/000-012	100
orange	4	2022-104/000-012	100
orange	5	2022-105/000-012	50
orange	6	2022-106/000-012	50
orange	7	2022-107/000-012	50
orange	8	2022-108/000-012	50
orange	9	2022-109/000-012	50
orange	10	2022-110/000-012	25
orange	11	2022-111/000-012	25
orange	12	2022-112/000-012	25
orange	13	2022-113/000-012	25
orange	14	2022-114/000-012	25
orange	15	2022-115/000-012	25



L = pole no. x module width

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

2

green-yellow

2022-105

Color	Pole number	Item No.	PU
green-yellow	1	2022-101/000-016	200
green-yellow	2	2022-102/000-016	200
green-yellow	3	2022-103/000-016	100
green-yellow	4	2022-104/000-016	100
green-yellow	5	2022-105/000-016	50
green-yellow	6	2022-106/000-016	50
green-yellow	7	2022-107/000-016	50
green-yellow	8	2022-108/000-016	50
green-yellow	9	2022-109/000-016	50
green-yellow	10	2022-110/000-016	25
green-yellow	11	2022-111/000-016	25
green-yellow	12	2022-112/000-016	25
green-yellow	13	2022-113/000-016	25
green-yellow	14	2022-114/000-016	25
green-yellow	15	2022-115/000-016	25

Item-Specific Accessories

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

green-yellow/gray

2022-103/000-036

Color	Pole number	Item No.	PU
green-yellow/gray	3	2022-103/000-036	100
green-yellow/gray	4	2022-104/000-036	100
green-yellow/gray	5	2022-105/000-036	50
green-yellow/gray	6	2022-106/000-036	50
green-yellow/gray	7	2022-107/000-036	50
green-yellow/gray	8	2022-108/000-036	50
green-yellow/gray	9	2022-109/000-036	50
green-yellow/gray	10	2022-110/000-036	25
green-yellow/gray	11	2022-111/000-036	25
green-yellow/gray	12	2022-112/000-036	25
green-yellow/gray	13	2022-113/000-036	25
green-yellow/gray	14	2022-114/000-036	25
green-yellow/gray	15	2022-115/000-036	25

Item-Specific Accessories

Locking lever

Color	Item No.	PU (SPU)
gray	2022-151	100 (25)
orange	2022-152	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

gray/green-yellow

2022-103/000-037

Color	Pole number	Item No.	PU (SPU)
gray/green-yellow	3	2022-103/000-037	100
gray/green-yellow	4	2022-104/000-037	100 (14)
gray/green-yellow	5	2022-105/000-037	50
gray/green-yellow	6	2022-106/000-037	50
gray/green-yellow	7	2022-107/000-037	50
gray/green-yellow	8	2022-108/000-037	50
gray/green-yellow	9	2022-109/000-037	50
gray/green-yellow	10	2022-110/000-037	25
gray/green-yellow	11	2022-111/000-037	25
gray/green-yellow	12	2022-112/000-037	25
gray/green-yellow	13	2022-113/000-037	25
gray/green-yellow	14	2022-114/000-037	25
gray/green-yellow	15	2022-115/000-037	25

2

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-151	100 (25)
orange	2022-152	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

2022-102/000-038

Color	Pole number	Item No.	PU
gray/blue	2	2022-102/000-038	200
gray/blue/green-yellow	3	2022-103/000-038	100
gray/blue/green-yellow	4	2022-104/000-038	100
gray/blue/green-yellow	5	2022-105/000-038	50
gray/blue/green-yellow	6	2022-106/000-038	50
gray/blue/green-yellow	7	2022-107/000-038	50
gray/blue/green-yellow	8	2022-108/000-038	50
gray/blue/green-yellow	9	2022-109/000-038	50
gray/blue/green-yellow	10	2022-110/000-038	25
gray/blue/green-yellow	11	2022-111/000-038	25
gray/blue/green-yellow	12	2022-112/000-038	25
gray/blue/green-yellow	13	2022-113/000-038	25
gray/blue/green-yellow	14	2022-114/000-038	25
gray/blue/green-yellow	15	2022-115/000-038	25

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

		2022-102/000-039	
Color	Pole number	Item No.	PU
blue/gray	2	2022-102/000-039	200
green-yellow/blue/gray	3	2022-103/000-039	100
green-yellow/blue/gray	4	2022-104/000-039	100
green-yellow/blue/gray	5	2022-105/000-039	50
green-yellow/blue/gray	6	2022-106/000-039	50
green-yellow/blue/gray	7	2022-107/000-039	50
green-yellow/blue/gray	8	2022-108/000-039	50
green-yellow/blue/gray	9	2022-109/000-039	50
green-yellow/blue/gray	10	2022-110/000-039	25
green-yellow/blue/gray	11	2022-111/000-039	25
green-yellow/blue/gray	12	2022-112/000-039	25
green-yellow/blue/gray	13	2022-113/000-039	25
green-yellow/blue/gray	14	2022-114/000-039	25
green-yellow/blue/gray	15	2022-115/000-039	25

Accessories; for all products on this page

Locking lever

Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

2

Electrical data				
Ratings per		**IEC/EN 61984**		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	690 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	24 A	-	-	
Current at conductor cross-section (max.) mm²	32 A	-	-	
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

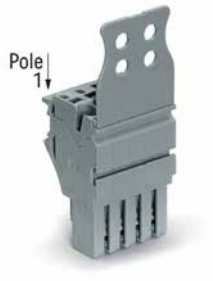
Ferrule	Page 602
Insulation stop	Page 536
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

Strain relief plate



2022-105/134-000

Color	Pole number	Item No.	PU
gray	1	2022-101/132-000	200
gray	2	2022-102/132-000	100
gray	3	2022-103/133-000	100
gray	4	2022-104/133-000	50
gray	5	2022-105/134-000	50
gray	6	2022-106/134-000	50
gray	7	2022-107/135-000	25
gray	8	2022-108/135-000	25
gray	9	2022-109/135-000	25
gray	10	2022-110/135-000	25
gray	11	2022-111/136-000	25
gray	12	2022-112/136-000	20
gray	13	2022-113/136-000	20
gray	14	2022-114/136-000	15
gray	15	2022-115/137-000	15
blue	1	2022-101/132-006	200
green-yellow	1	2022-101/132-016	200

Locking of plug-in connection: Locking lever

2022-105/123-000

Color	Pole number	Item No.	PU
gray	1	2022-101/122-000	200
gray	2	2022-102/122-000	100
gray	3	2022-103/123-000	100
gray	4	2022-104/123-000	50
gray	5	2022-105/123-000	50
gray	6	2022-106/123-000	50
gray	7	2022-107/123-000	25
gray	8	2022-108/123-000	25
gray	9	2022-109/123-000	25
gray	10	2022-110/123-000	25
gray	11	2022-111/126-000	25
gray	12	2022-112/126-000	20
gray	13	2022-113/126-000	20
gray	14	2022-114/126-000	15
gray	15	2022-115/127-000	15
blue	1	2022-101/122-006	200
green-yellow	1	2022-101/122-016	200

Locking of plug-in connection: Locking lever ▸ Strain relief plate

2022-105/144-000

Color	Pole number	Item No.	PU
gray	1	2022-101/142-000	200
gray	2	2022-102/142-000	100
gray	3	2022-103/143-000	100
gray	4	2022-104/143-000	50
gray	5	2022-105/144-000	50
gray	6	2022-106/144-000	50
gray	7	2022-107/145-000	25
gray	8	2022-108/145-000	25
gray	9	2022-109/145-000	25
gray	10	2022-110/145-000	25
gray	11	2022-111/146-000	25
gray	12	2022-112/146-000	20
gray	13	2022-113/146-000	20
gray	14	2022-114/146-000	15
gray	15	2022-115/147-000	15
blue	1	2022-101/142-006	200
green-yellow	1	2022-101/142-016	200

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

- **Customizing Modular Female Plugs**
  WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications that require a varying number of poles (e.g., when designing prototypes).

Modules and Pole Numbers
A customized X-COM®S-SYSTEM female plug consists of:

- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

Electrical data				
Ratings per	**IEC/EN 61984**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	690 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	24 A	-	-	
Current at conductor cross-section (max.) mm²	32 A	-	-	
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

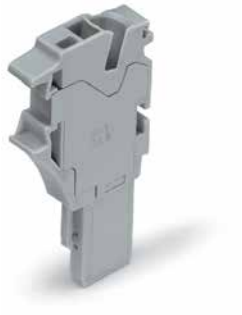
Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Ferrule	Page 602
Insulation stop	Page 536
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1



2022-161

Base module			
Color	Pole number	Item No.	PU
gray	1	2022-161	250
blue	1	2022-164	250
orange	1	2022-162	250
green-yellow	1	2022-167	250

End module			
Color	Pole number	Item No.	PU
gray	1	2022-181	250
blue	1	2022-184	250
orange	1	2022-182	250
green-yellow	1	2022-187	250

Center module			
Color	Pole number	Item No.	PU
gray	1	2022-171	250
blue	1	2022-174	250
orange	1	2022-172	250
green-yellow	1	2022-177	250

Accessories; for all products on this page

Locking lever

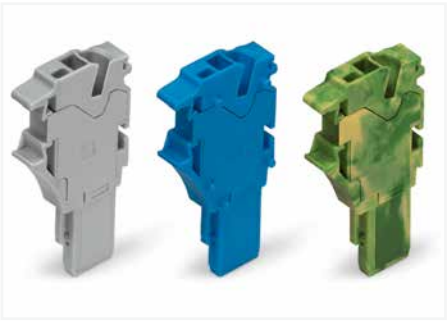
Color	Item No.	PU (SPU)
gray	2022-141	100 (25)
orange	2022-142	100 (25)
gray	2022-151	100 (25)
orange	2022-152	100 (25)

PU = packaging unit; SPU = subpackaging unit

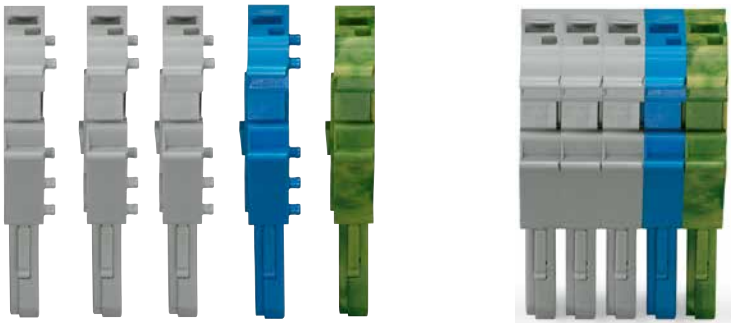
Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series
Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

End module

Center module


Base module

Example: 5-Pole, 1-Conductor Female Plug



Base module with integrated end plate
2022-167

Center module
2022-174

Center modules
2022-171

End module
2022-181

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2222 Series
Suitable for Ex e II applications ▸ Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

- **Ex marking:**
- "Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.
- Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.

2

Electrical data				
Approvals per	**UL 1059**			
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per	**CSA 22.2 No 158**			
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

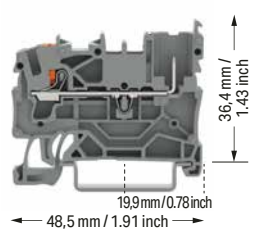
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2222 Series
Suitable for Ex e II applications ▸ Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Clamping units: 1 ▸ Female plug slots: 1



2222-1201/999-953

1-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2222-1201/999-953	100
blue	2222-1204/999-953	100
orange	2222-1202/999-953	100

1-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

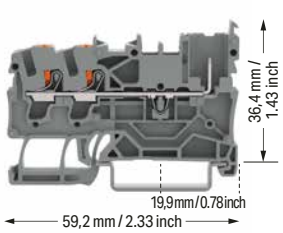
Color	Item No.	PU
green-yellow	2222-1207/999-953	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1292	100 (25)
gray	2022-1291	100 (25)

Clamping units: 2 ▸ Female plug slots: 1



2222-1301/999-953

2-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2222-1301/999-953	100
blue	2222-1304/999-953	100
orange	2222-1302/999-953	100

2-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

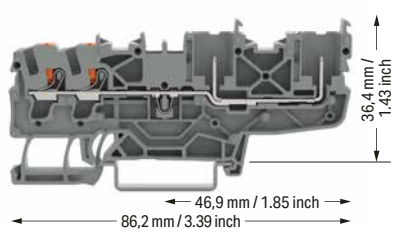
Color	Item No.	PU
green-yellow	2222-1307/999-953	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1392	100 (25)
gray	2022-1391	100 (25)

Clamping units: 2 ▸ Female plug slots: 2



2222-1401/999-953

2-conductor/2-pin carrier terminal block

Color	Item No.	PU
gray	2222-1401/999-953	50
blue	2222-1404/999-953	50
orange	2222-1402/999-953	50

2-conductor/2-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2222-1407/999-953	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1492	100 (25)
gray	2022-1491	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

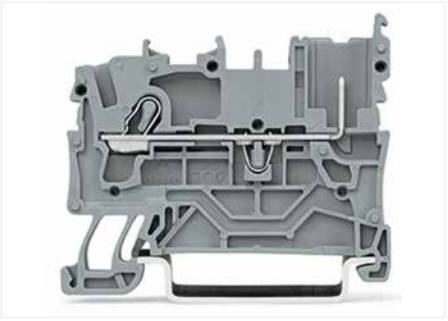
Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Carrier with 6 coding pins; orange

Item No.	PU (SPU)
2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Suitable for Ex e II applications ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm



2

Electrical data			
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 531
Tool	Page 590

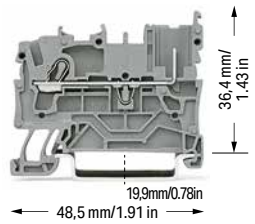
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Suitable for Ex e II applications ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Clamping units: 1 ▸ Female plug slots: 1



2022-1201/999-953

1-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2022-1201/999-953	100
blue	2022-1204/999-953	100

1-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

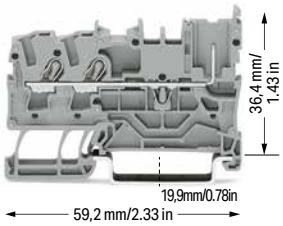
Color	Item No.	PU
green-yellow	2022-1207/999-953	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1292	100 (25)
gray	2022-1291	100 (25)

Clamping units: 2 ▸ Female plug slots: 1



2022-1301/999-953

2-conductor/1-pin carrier terminal block

Color	Item No.	PU
gray	2022-1301/999-953	100
blue	2022-1304/999-953	100

2-conductor/1-pin ground carrier terminal block ▸ Color: green-yellow

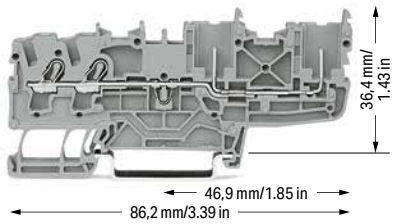
Color	Item No.	PU
green-yellow	2022-1307/999-953	100

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1392	100 (25)
gray	2022-1391	100 (25)

Clamping units: 2 ▸ Female plug slots: 2



2022-1401/999-953

2-conductor/2-pin carrier terminal block

Color	Item No.	PU
gray	2022-1401/999-953	50
blue	2022-1404/999-953	50

2-conductor/2-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2022-1407/999-953	50

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1492	100 (25)
gray	2022-1491	100 (25)

2

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

Push-in type jumper bar; light gray

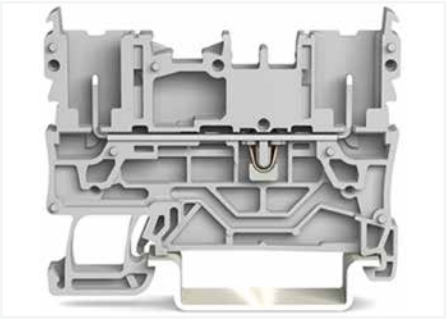
Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Suitable for Ex e II applications ▸ Width: 5.2 mm



2

Electrical data				
Approvals per		**UL 1059**		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	20 A	20 A	-	
Approvals per		**CSA 22.2 No 158**		
Use group	B	C	D	
Rated voltage	-	600 V	-	
Rated current	-	20 A	-	
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Mechanical data				
Design	horizontal type			
Environmental requirements				
Continuous operating temperature	-60 … +105 °C			

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

DIN-rail	Page 582
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Tool	Page 590

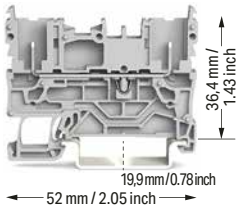
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series
Suitable for Ex e II applications ▸ Width: 5.2 mm

Female plug slots: 2



2022-1601/999-953

2-pin carrier terminal block

Color	Item No.	PU
gray	2022-1601/999-953	50
blue	2022-1604/999-953	50

2-pin ground carrier terminal block ▸ Color: green-yellow

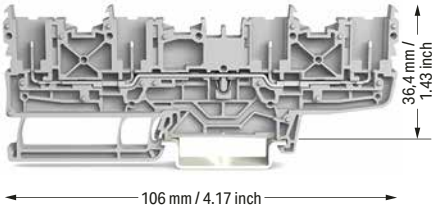
Color	Item No.	PU
green-yellow	2022-1607/999-953	50

Item-Specific Accessories

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1692	100 (25)
gray	2022-1691	100 (25)

Female plug slots: 4



2022-1801/999-953

4-pin carrier terminal block

Color	Item No.	PU
gray	2022-1801/999-953	50
blue	2022-1804/999-953	50

4-pin ground carrier terminal block ▸ Color: green-yellow

Color	Item No.	PU
green-yellow	2022-1807/999-953	50

Item-Specific Accessories

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-1892	100 (25)
gray	2022-1891	100 (25)

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

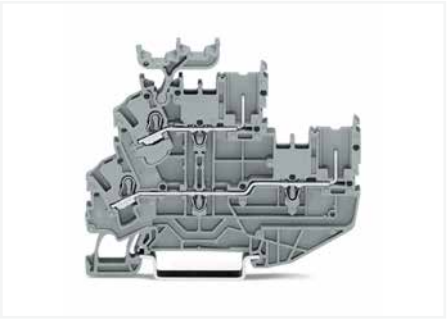
Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series

Suitable for Ex e II applications ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2



2

Electrical data			
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

DIN-rail	Page 582
Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Screwless end stop	Page 584
Test and measurement	Page 535
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

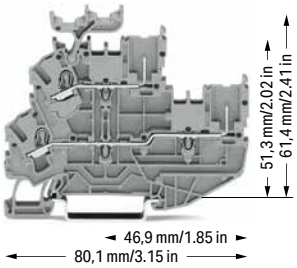
See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series

Suitable for Ex e II applications ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

Internally commoned levels: No



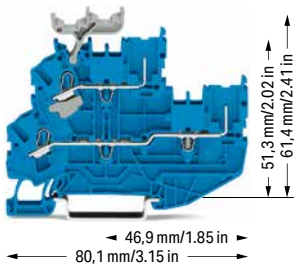
2022-2231/999-953

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2022-2231/999-953	50
gray	N/L	2022-2232/999-953	50
gray	L/N	2022-2233/999-953	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L/L	2022-2201/999-953	50
gray	N/L	2022-2202/999-953	50
gray	L/N	2022-2203/999-953	50



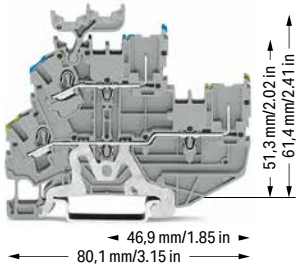
2022-2234/999-953

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2022-2234/999-953	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N/N	2022-2204/999-953	50



2022-2247/999-953

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2022-2247/999-953	50
gray	PE/L	2022-2257/999-953	50

1-conductor/1-pin double deck receptacle terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	PE/N	2022-2217/999-953	50
gray	PE/L	2022-2227/999-953	50

2

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

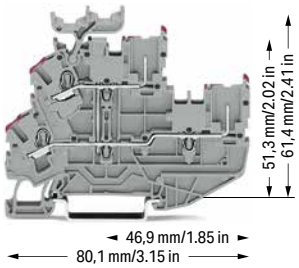
	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Pluggable rail-mount terminal blocks ▸ X-COM®S-SYSTEM ▸ 2022 Series

Suitable for Ex e II applications ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 2 ▸ Female plug slots: 2

Internally commoned levels: Yes



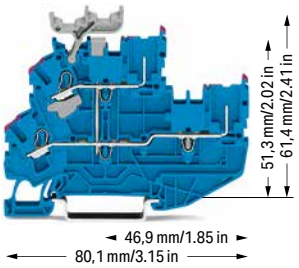
2022-2238/999-953

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2022-2238/999-953	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: gray

Color	Potential marking	Item No.	PU
gray	L	2022-2208/999-953	50



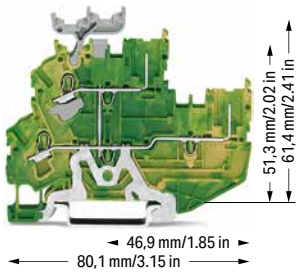
2022-2239/999-953

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2022-2239/999-953	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: blue

Color	Potential marking	Item No.	PU
blue	N	2022-2209/999-953	50



2022-2237/999-953

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: Yes ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2022-2237/999-953	50

2-conductor/2-pin, double-deck carrier terminal block ▸ Marker carrier: No ▸ Color: green-yellow

Color	Potential marking	Item No.	PU
green-yellow	PE	2022-2207/999-953	50

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2022-2292	100 (25)
gray	2022-2291	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Carrier with 6 coding pins; orange

	Item No.	PU (SPU)
	2022-100	100 (25)

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series

Suitable for Ex e II applications ▸ Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

- **Ex marking:**
- "Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.
- Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.

2

Electrical data			
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Electrical data	
Rated voltage EN (Ex e II)	630 V

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Note:
According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Ferrule	Page 602
Insulation stop	Page 536
Marking	Page 554
Protective warning marker	Page 537
Screwless end stop	Page 584
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series

Suitable for Ex e II applications ▸ Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

gray

2022-103/999-953

Color	Pole number	Item No.	PU
gray	2	2022-102/999-953	100
gray	3	2022-103/999-953	100
gray	4	2022-104/999-953	50
gray	5	2022-105/999-953	50
gray	6	2022-106/999-953	50
gray	7	2022-107/999-953	25
gray	8	2022-108/999-953	50

gray/blue/green-yellow

2022-103/000-038/999-953

Color	Pole number	Item No.	PU
gray/blue/green-yellow	3	2022-103/000-038/999-953	100
gray/blue/green-yellow	4	2022-104/000-038/999-953	50
gray/blue/green-yellow	5	2022-105/000-038/999-953	50
gray/blue/green-yellow	6	2022-106/000-038/999-953	50

PU = packaging unit; SPU = subpackaging unit

Female connector/socket ▸ X-COM®S-SYSTEM ▸ 2022 Series

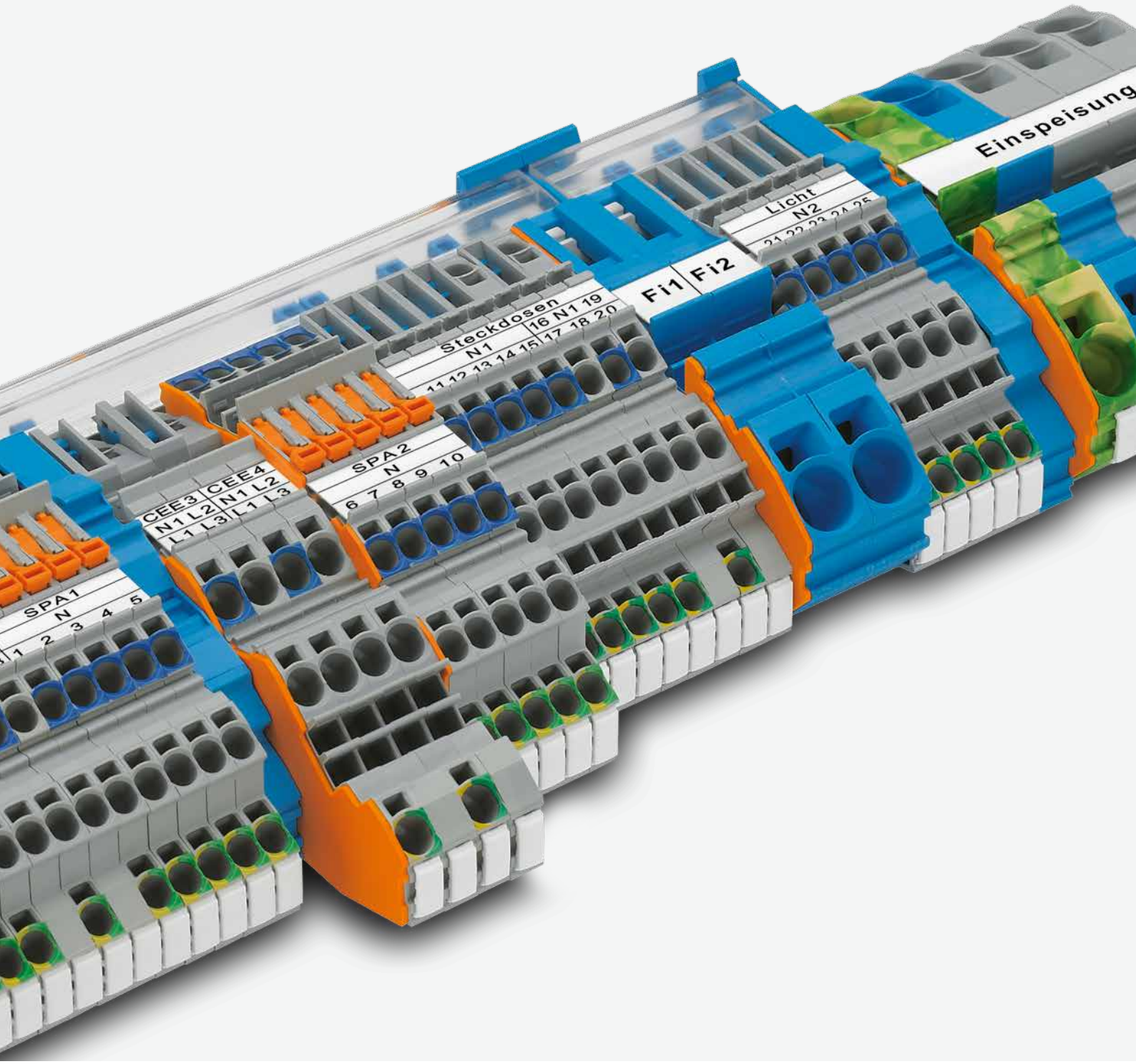
Suitable for Ex e II applications ▸ Push-in CAGE CLAMP® ▸ 2.5 mm² ▸ Number of connection points: 1

green-yellow/blue/gray

2022-103/000-039/999-953

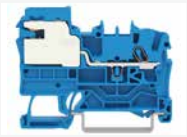
Color	Pole number	Item No.	PU
◯ green-yellow/blue/gray	3	2022-103/000-039/999-953	100
◯ green-yellow/blue/gray	4	2022-104/000-039/999-953	50
◯ green-yellow/blue/gray	5	2022-105/000-039/999-953	50
◯ green-yellow/blue/gray	6	2022-106/000-039/999-953	50

PU = packaging unit; SPU = subpackaging unit



WAGO Installation Rail-Mount Terminal Blocks TOPJOB® S

WAGO Installation Rail-Mount Terminal Blocks TOPJOB® S

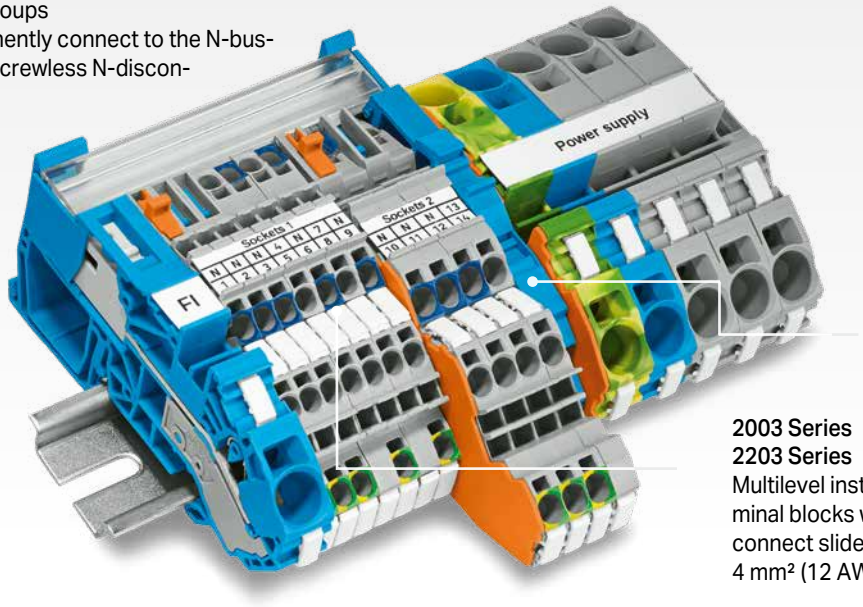
			Page
	Multilevel Installation Terminal Blocks ▸ with Push-Button ▸ with N-Disconnect Slide Link 0,25 … 2,5 (4) mm²	Serie 2203	410
	Multilevel Installation Terminal Blocks ▸ with Push-Button ▸ with Internal N-Disconnection 0.25 … 2.5 (4) mm² (22 ⋯ 12 AWG)	Serie 2203	412
	Multilevel Installation Terminal Blocks ▸ with Push-Button ▸ with N-Disconnect Slide Link 0,5 … 4 (6) mm²	Serie 2205	416
	Multilevel Installation Terminal Blocks ▸ with Operating Slot and Push-Button ▸ with N-Disconnect Slide Link 0.25 … 2.5 (4) mm² (22 … 12 AWG)	Serie 2203	418
	Multilevel Installation Terminal Blocks ▸ with Operating Slot and Push-Button ▸ with Internal N-Disconnection 0.25 … 2.5 (4) mm² (22 … 12 AWG)	Serie 2203	420
	Multilevel Installation Terminal Blocks ▸ with Operating Slot and Push-Button ▸ with N-Disconnect Slide Link 0,5 … 4 (6) mm²	Serie 2205	424
	Multilevel Installation Terminal Blocks ▸ with N-Disconnect Slide Link 0.25 … 2.5 (4) mm² (22 … 12 AWG)	Serie 2003	426
	Multilevel Installation Terminal Blocks ▸ with Operating Slot and Push-Button ▸ with Internal N-Disconnection 0.25 … 2.5 (4) mm² (22 … 12 AWG)	Serie 2003	428
	Multilevel Installation Terminal Blocks ▸ with N-Disconnect Slide Link 0,5 … 4 (6) mm²	Serie 2005	432
	N-Disconnect Terminal Blocks, Power Distribution Disconnect Terminal Blocks and Supply Terminal Blocks for Distribution Boxes ▸ Push-Button 0.5 … 16 (25 “f-st”) mm² (20 … 4 AWG)	2002/2006/2010/2016 Series	434
	**N-Disconnect Terminal Blocks, Power Distribution Disconnect Terminal Blocks and Supply Terminal Blocks for Distribution Boxes** 0.5 … 16 (25 “f-st”) mm² (20 … 4 AWG)	2002/2006/2010/2016 Series	442
	Board Set	821 Series	452

Multilevel Installation Terminal Blocks

For Building Installations and Industrial Applications

Multilevel Installation Terminal Blocks with N-Disconnect Slide Links for Mounting with N-busbar

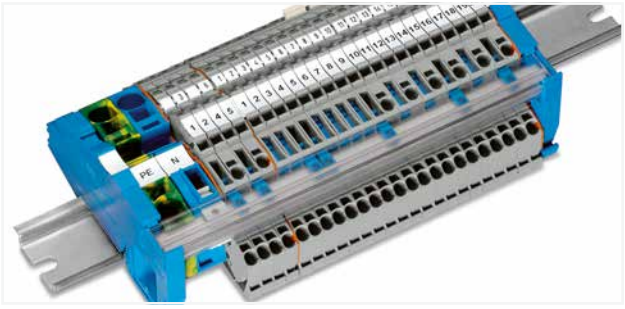
- Configure larger circuit groups
- Automatically and permanently connect to the N-busbar by simply sliding the screwless N-disconnect link



2005 Series
2205 Series
Multilevel installation terminal blocks with an N-disconnect slide link up to 6 mm² (10 AWG)

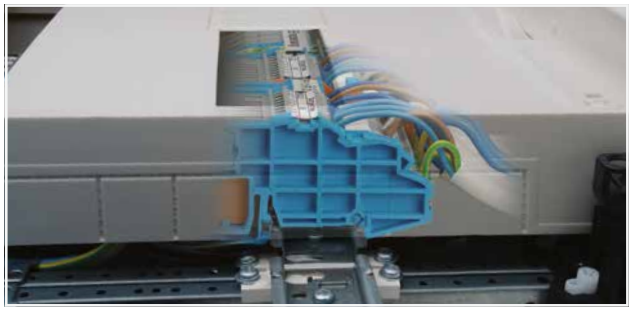
2003 Series
2203 Series
Multilevel installation terminal blocks with an N-disconnect slide link up to 4 mm² (12 AWG)

Maximum Touch-Proof Safety

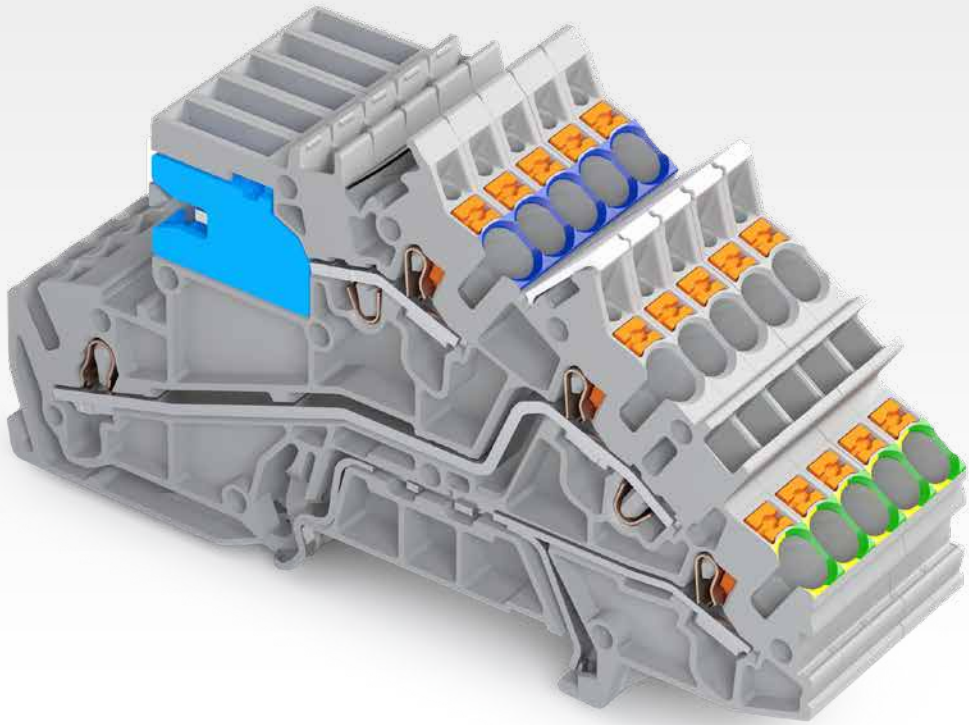


- Transparent busbar cover provides touch protection for the busbar.
- Cover enables user to see if N-disconnect slide links are connected to the N-busbar.

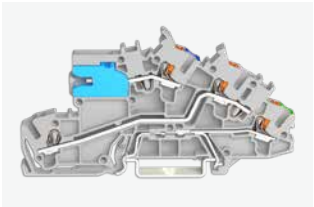
Maximum Wiring Space



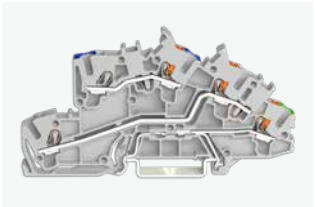
- 2x03 und 2x05 Series Multilevel Installation Terminal Blocks feature extremely compact dimensions while providing all of the functionality of a 4 mm² or 6 mm² terminal block.
- Maximize wiring space in standard distribution cabinets.



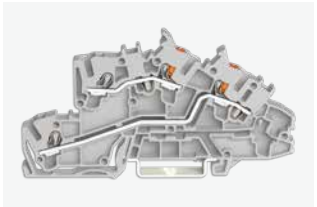
The multilevel installation terminal blocks with N-disconnect slide links (2x03 and 2x05 Series) are designed for mounting with an N-busbar. The N-busbar can be automatically and permanently connected by simply sliding the screwless N-disconnect link.Available in different variants, these terminal blocks cover all practical applications and are especially suitable for the electrical installation of large circuit groups in buildings.



NT/L/PE:
The standard multilevel installation terminal block with N-disconnect slide link – used as a circuit terminal block for single-phase circuits.



N/L/PE:
The multilevel installation terminal block without N-disconnection – for simple commoning of three circuit potentials

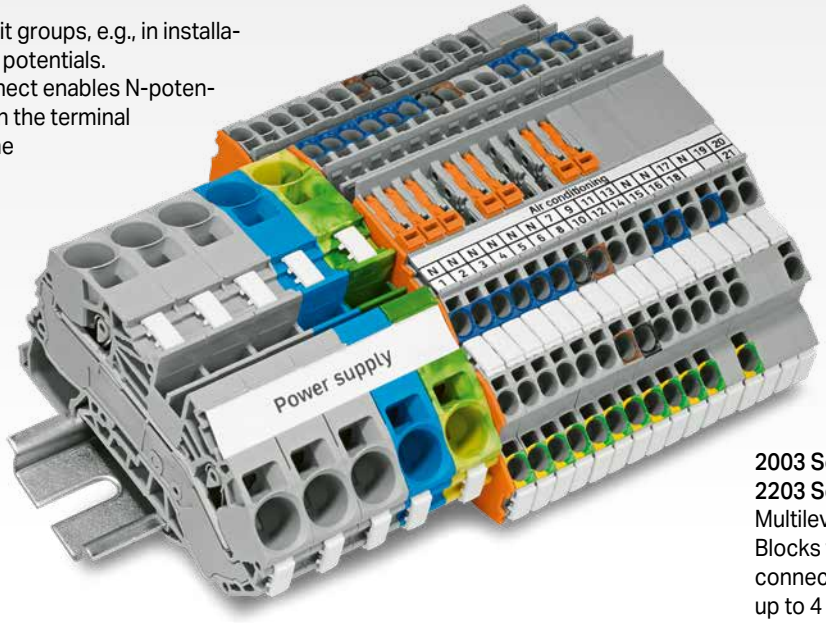


L/L:
The add-on terminal block for wiring three-phase circuits – both additional phases are combined in one multilevel installation terminal block.

L:
The multilevel installation terminal block for easily commoning a single potentia

Multilevel Installation Terminal Blocks with Internal N-Disconnection for Mounting without N-Busbar

- Configure smaller circuit groups, e.g., in installations with multiple RCD potentials.
- Internal N-knife disconnect enables N-potential disconnection within the terminal block by opening the the knife disconnect.



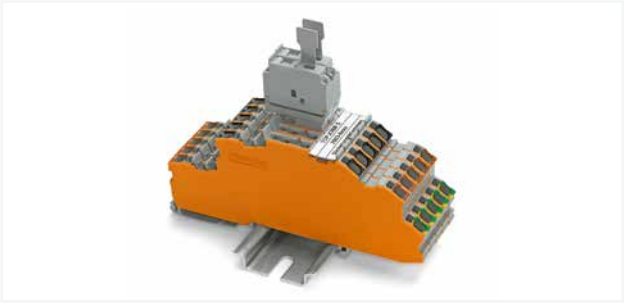
2016 Series
2216 Series
Supply Terminal Blocks up to 16 mm² (4 AWG)

2003 Series
2203 Series
Multilevel Installation Terminal Blocks with an Internal N-Disconnection
up to 4 mm² (12 AWG)

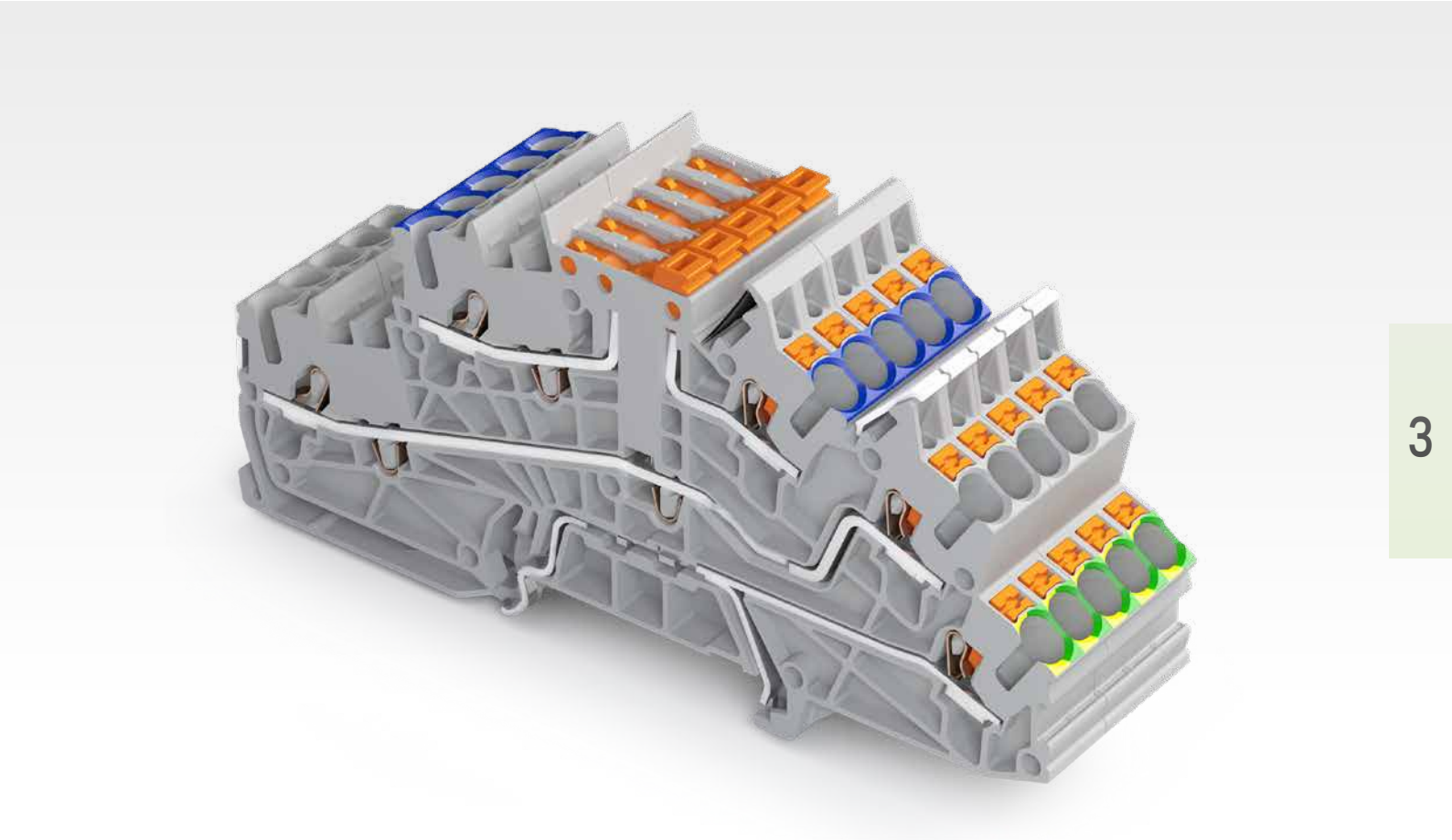
Insulation Resistance Measurement – Fast and Safe

- Disconnect N-potential via pivoting knife disconnect.
- Plug N/L test adapter into the free shaft to link N and L conductors.
- Measurement with connected live conductors halves testing times and protects the connected devices against high test voltage.

Multilevel Installation Terminal Blocks as Fuse Terminal Block

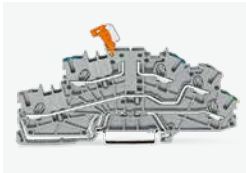


- Multilevel installation terminal blocks carry a centered slot, allowing them to be used as fuse terminal blocks in a standard distribution board's cutout.
- The fuse plugs for microfuses can be used in combination with an end and intermediate plate (1 mm/0.039 inch thick).

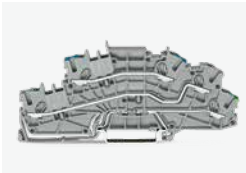


The multilevel installation terminal blocks with internal N-disconnection (2x03 Series) are designed for mounting without an N-busbar. Available in different variants, these terminal blocks are ideal for wiring smaller circuit groups, e.g., in installations with multiple ground fault potentials.

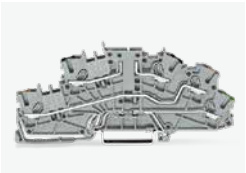
Insulation Resistance Measurement – Fast and Safe
WAGO's N/L test plug adapter is designed for multilevel installation terminal blocks with internal N-disconnection for mounting without an N-busbar. This innovative adapter allows both live conductors (N, L) to be interconnected, providing fast and safe insulation resistance measurement per DIN VDE 0100-600.



NTi/L/PE:
The multilevel installation terminal block with internal N-disconnection – used as a circuit terminal block for three-phase power circuits in small circuit groups

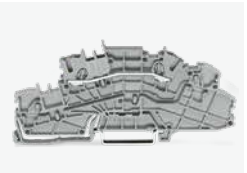


N/L/PE:
The multilevel installation terminal block without N-disconnection – for simple commoning of three circuit potentials



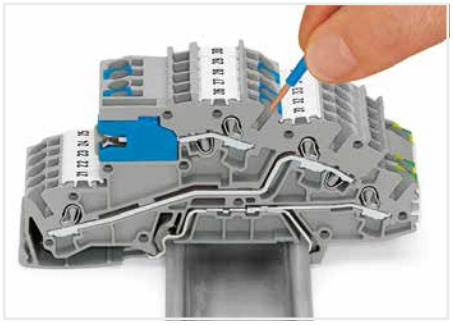
P1/P2/PE:
The multilevel installation terminal block without knife disconnect, with a separate top busbar – carrier terminal block for fuse holders

L/L:
The add-on terminal block for wiring three-phase circuits – both additional phases are combined in one multilevel installation terminal block.

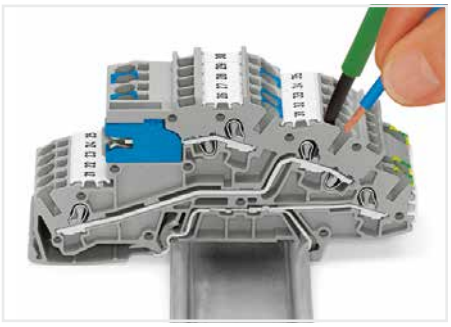


L:
The multilevel installation terminal block for easily commoning a single potential

Installation Rail-Mount Terminal Blocks TOPJOB® S
Installation

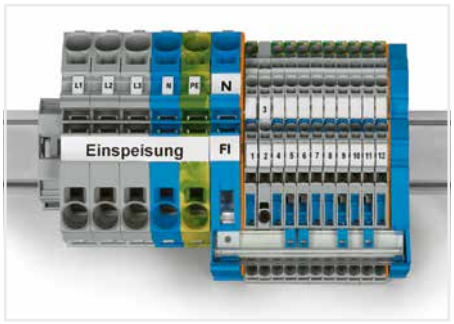


Inserting a conductor via push-in termination.
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

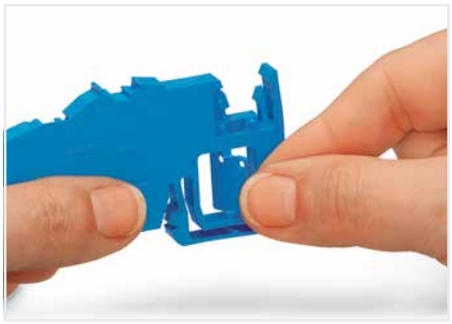


Inserting a conductor via operating tool.
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, just use an operating tool.

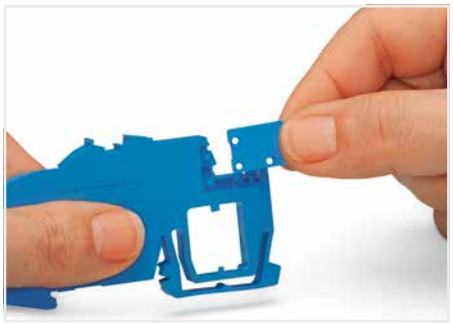
All conductor types at a glance



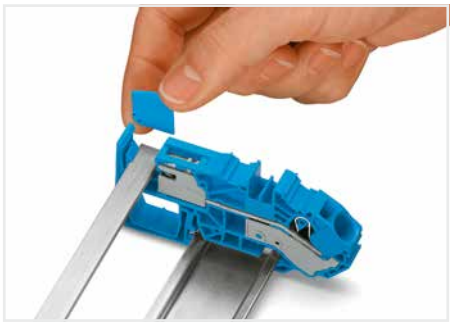
Mounting busbars on busbar carriers: Insert busbar ends onto large busbar carriers (2009-305) or onto supply terminal blocks with an integrated busbar carrier.



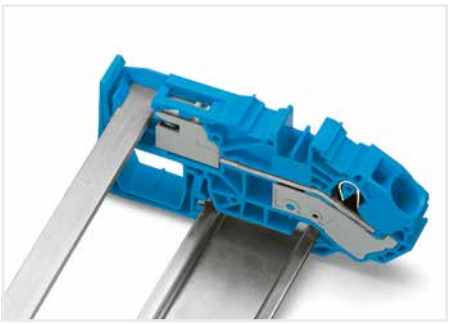
Removing the separator plate from the busbar carrier or from the N-disconnect terminal block.



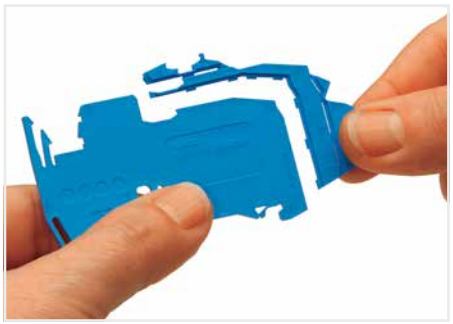
Inserting the separator plate into the busbar carrier to protect the N-busbar against accidental contact.



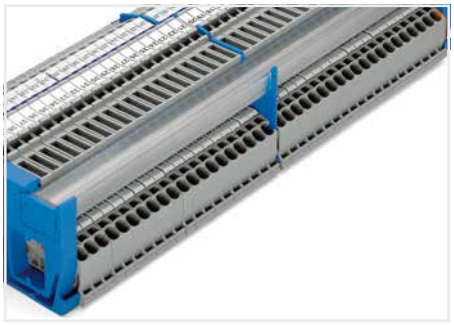
Inserting separator plate removed from N-disconnect terminal block.



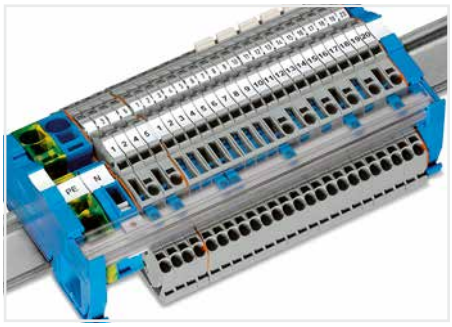
Touch-proof N-busbar via inserted separator plate



Perforations make it possible to fit the carrier to all Installation Rail-Mount Terminal Blocks TOPJOB® S using a single part.



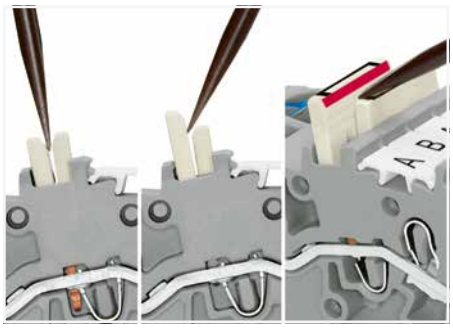
The compact busbar carrier (1.5 mm thick), which is placed every 200 mm, provides additional busbar support for longer assemblies.



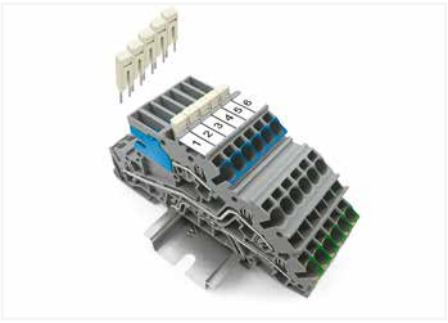
The busbar transparent cover (Item No. 777-303) protects the busbar against accidental contact and makes it easy to see which terminal blocks are connected to the busbar.

Operating a disconnect slide link with an operating tool (3.5 mm blade width)
Item number (operating tool): 2009-309, 2009-310, 210-658 or 210-720

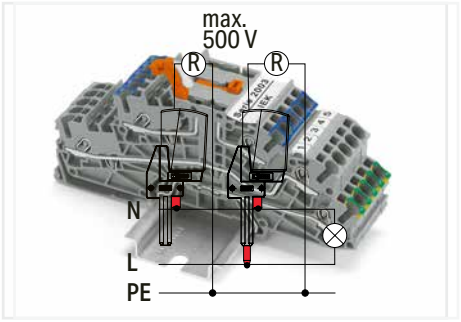
Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



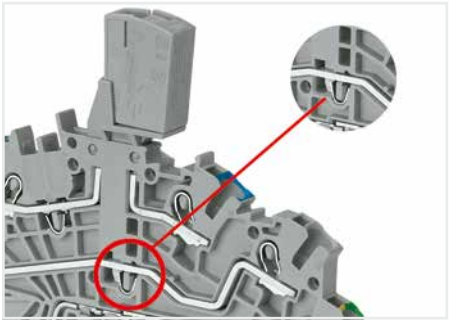
Insert the operating tool between the staggered jumpers, then lift up the jumper.



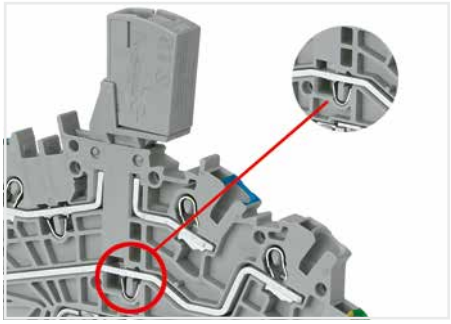
Adjacent Jumpers for Continuous Commoning (2002-400)



N-potential disconnection via N-knife disconnect within a terminal block assembly without a busbar.

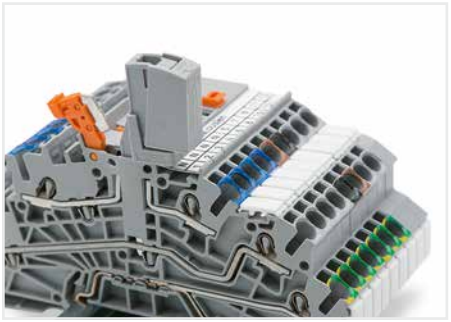


Multilevel installation terminal block fitted with an N/L-test plug adapter for quick and safe insulation resistance measurement of the connected N- and L-potentials



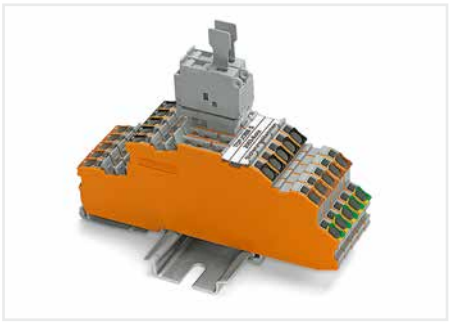
Multilevel installation terminal block fitted with an N-test plug adapter for insulation resistance measurement of the N-potential

Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.



For multilevel installation terminal blocks with internal N-disconnection, test plug adapters can be inserted into the free vertical test slot when the N-potential is disconnected.

Power distribution disconnect terminal blocks:
According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations – medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time. Depending on their function, they must be provided with captive marking.
WAGO's power distribution disconnect terminal blocks meet these requirements.

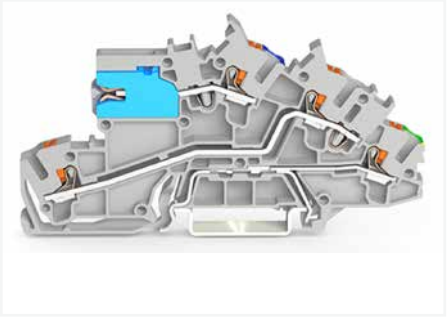


Single-fuse plugs can be used in combination with 1 mm thick end and intermediate plates on carrier terminal blocks without an N-knife disconnect.

Double-fuse plugs with 5 x 25 mm glass cartridge fuses can be used on carrier terminal blocks without an N-knife disconnect in standard terminal block width.

N-conductor disconnect terminal blocks:
For the construction and operation of power installations in fire-prone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels – the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor.
WAGO's N-disconnect terminal blocks meet this requirement.

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm



3

Electrical data									
Specialty functions	with N-disconnect slide								
Clamping units	4; 3			4; 2			5		
Potential marking	NT/L/PE; NT/L; LT/L			L/L; N/L; L; N			N/L/PE; L/L/PE		
Ratings	Potential - ground			Potential - potential			Potential - ground		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	24 A	-	-	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	29 A	-	-	31 A	-	-	31 A	-	-
Ratings	Potential - potential						Potential - potential		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	24 A	-	-				24 A	-	-
Current at conductor cross-section (max.) mm²	29 A	-	-				31 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

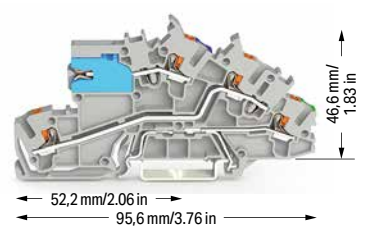
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Lock-out	Page 411
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

with N-disconnect slide



2203-7641

Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2203-7641	50

Clamping units: 3 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L	2203-7640	50
gray	LT/L	2203-7659	50

2203-7642

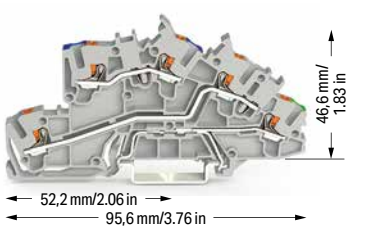
Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2203-7642	50
gray	N/L	2203-7649	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2203-7650	50
gray	N	2203-7651	50

Clamping units: 5



2203-7646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-7646	50
gray	L/L/PE	2203-7645	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2003-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-7692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data									
Specialty functions	with pivoting knife disconnect								
Clamping units	5			4; 2			5		
Potential marking	NTi/L/PE; LTi/L/PE			L/L; N/L; L; N			N/L/PE; L/L/PE		
Ratings	**Potential - ground**			**Potential - potential**			**Potential - ground**		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	22 A	-	-	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-	31 A	-	-	31 A	-	-
Ratings	**Potential - potential**						**Potential - potential**		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	22 A	-	-				24 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-				31 A	-	-
Approvals per	**UL 1059**			**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Rated current	20 A	-	20 A	20 A	-	20 A	20 A	-	20 A
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Rated current	20 A	-	10 A	20 A	-	10 A	20 A	-	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

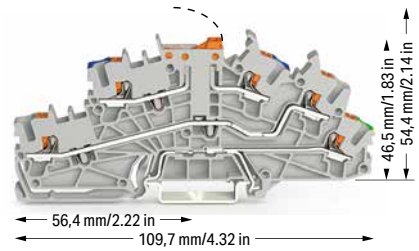
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 411, 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

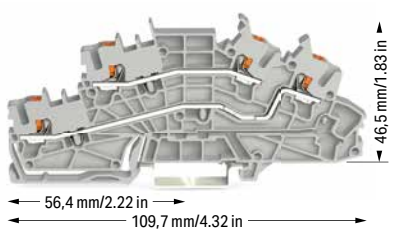
with pivoting knife disconnect ▸ Clamping units: 5



2203-6641

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NTi/L/PE	2203-6641	50
gray	LTi/L/PE	2203-6644	50



2203-6642

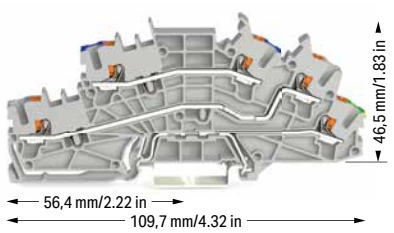
Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2203-6642	50
gray	N/L	2203-6649	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2203-6650	50
gray	N	2203-6651	50

Clamping units: 5



2203-6646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-6646	50
gray	L/L/PE	2203-6645	50

Item-Specific Accessories

Test plug adapter N/L

Color	Item No.	PU (SPU)
gray	2003-499	100 (25)

Test plug adapter N

Color	Item No.	PU (SPU)
gray	2003-500	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5

3

Electrical data			
Maximum current depends on accessories used.			
Ratings	**Potential - ground**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	22 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-

Maximum current depends on accessories used.			
Ratings	**Potential - potential**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	22 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	20 A	-	20 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	20 A	-	10 A

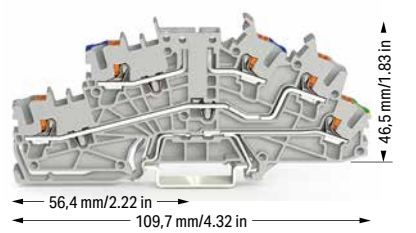
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 411, 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 308
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

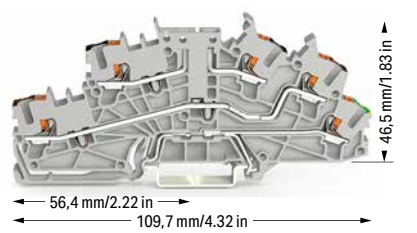
Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5



2203-6640

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-6640	50
gray	L/N/PE	2203-6661	50



2203-6643

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	P2/P1/PE	2203-6643	50
gray	P1/P2/PE	2203-6660	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6692	100 (25)

End and intermediate plate; For use with fuse plugs; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6693	100 (25)

End and intermediate plate; For use with double fuse plug; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6694	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Test plug adapter N/L

Color	Item No.	PU (SPU)
gray	2003-499	100 (25)

Test plug adapter N

Color	Item No.	PU (SPU)
gray	2003-500	100 (25)

Double fuse plug; for 5 x 20 mm miniature metric fuse; Width: 10.4 mm; gray

Blown fuse indication	Item No.	PU
without blown fuse indication	2003-911	25
with indicator lamp	2003-911/1000-923	25

Fuse plug; for 5 x 20 mm miniature metric fuse

Color	Item No.	PU
gray	2004-911	50

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2205 Series
Push-button ▸ 4 mm² ▸ Width: 6.2 mm

3

Electrical data									
Specialty functions	with N-disconnect slide								
Clamping units	4			4			5		
Potential marking	NT/L/PE			L/L; N/L			N/L/PE; L/L/PE		
Ratings	Potential - ground			Potential - potential			Potential - ground		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	31 A	-	-	32 A	-	-	32 A	-	-
Current at conductor cross-section (max.) mm²	35 A	-	-	40 A	-	-	40 A	-	-

Ratings	Potential - potential						Potential - potential		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	31 A	-	-				32 A	-	-
Current at conductor cross-section (max.) mm²	35 A	-	-				40 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

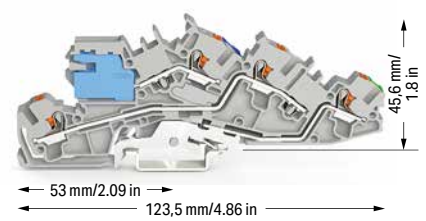
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2205 Series
Push-button ▸ 4 mm² ▸ Width: 6.2 mm

with N-disconnect slide ▸ Clamping units: 4

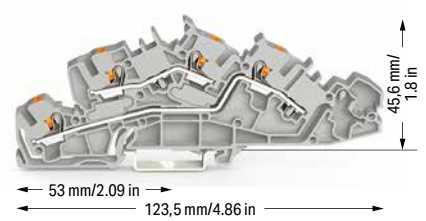


2205-7641

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2205-7641	50

Clamping units: 4

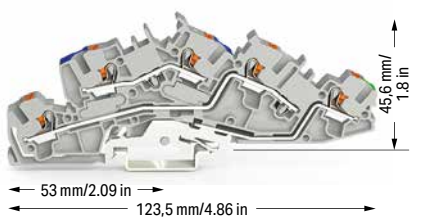


2205-7642

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2205-7642	50
gray	N/L	2205-7649	50

Clamping units: 5



2205-7646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2205-7646	50
gray	L/L/PE	2205-7645	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2005-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2205-7692	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

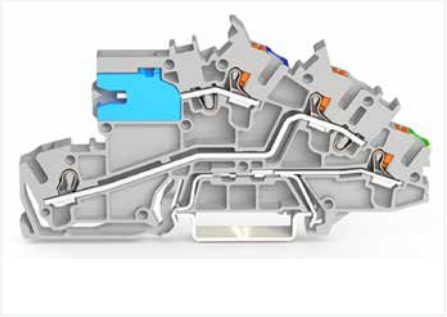
Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm



3

Electrical data									
Specialty functions	with N-disconnect slide								
Clamping units	4; 3			4; 2			5		
Potential marking	NT/L/PE; NT/L; LT/L			L/L; N/L; L; N			N/L/PE; L/L/PE		
Ratings	Potential - ground			Potential - potential			Potential - ground		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	24 A	-	-	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	29 A	-	-	31 A	-	-	31 A	-	-

Ratings	Potential - potential						Potential - potential		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	24 A	-	-				24 A	-	-
Current at conductor cross-section (max.) mm²	29 A	-	-				31 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

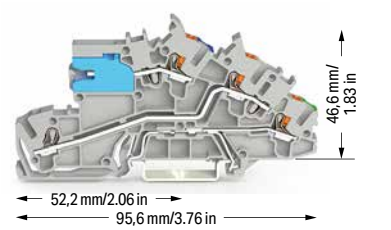
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

with N-disconnect slide



2203-7541

Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2203-7541	50

Clamping units: 3 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L	2203-7540	50
gray	LT/L	2203-7559	50

2203-7542

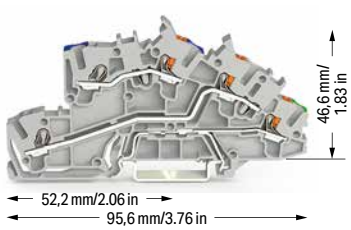
Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2203-7542	50
gray	N/L	2203-7549	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2203-7550	50
gray	N	2203-7551	50

Clamping units: 5



2203-7546

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-7546	50
gray	L/L/PE	2203-7545	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2003-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-7692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data									
Specialty functions	with pivoting knife disconnect								
Clamping units	5			4; 2			5		
Potential marking	NTi/L/PE; LTi/L/PE			L/L; N/L; L; N			N/L/PE; L/L/PE		
Ratings	Potential - ground			Potential - potential			Potential - ground		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	22 A	-	-	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-	31 A	-	-	31 A	-	-
Ratings	Potential - potential						Potential - potential		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	22 A	-	-				24 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-				31 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Rated current	20 A	-	20 A	20 A	-	20 A	20 A	-	20 A
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Rated current	20 A	-	10 A	20 A	-	10 A	20 A	-	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

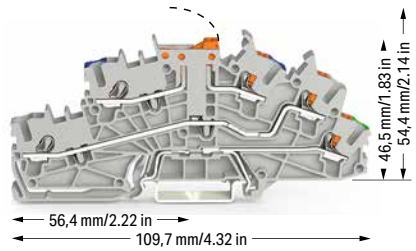
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

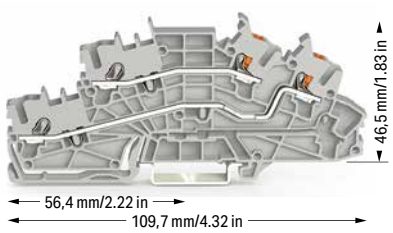
with pivoting knife disconnect ▸ Clamping units: 5



2203-6541

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NTi/L/PE	2203-6541	50
gray	LTi/L/PE	2203-6544	50



2203-6542

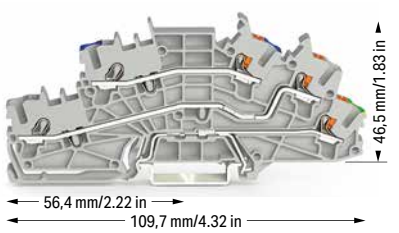
Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2203-6542	50
gray	N/L	2203-6549	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2203-6550	50
gray	N	2203-6551	50

Clamping units: 5



2203-6546

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-6546	50
gray	L/L/PE	2203-6545	50

Item-Specific Accessories

Test plug adapter N/L

Color	Item No.	PU (SPU)
gray	2003-499	100 (25)

Test plug adapter N

Color	Item No.	PU (SPU)
gray	2003-500	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5

Electrical data			
Maximum current depends on accessories used.			
Ratings	**Potential - ground**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	22 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-

Maximum current depends on accessories used.			
Ratings	**Potential - potential**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	22 A	-	-
Current at conductor cross-section (max.) mm²	27 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	20 A	-	20 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	20 A	-	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

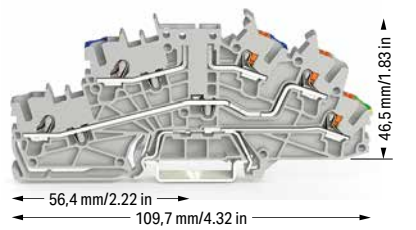
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 308
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

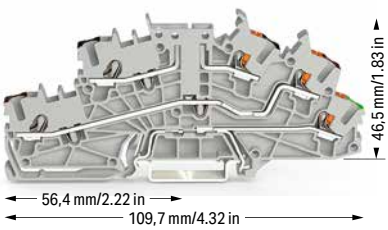
Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2203 Series
Push-button ▸ Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5



2203-6540

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2203-6540	50
gray	L/N/PE	2203-6561	50



2203-6543

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	P2/P1/PE	2203-6543	50
gray	P1/P2/PE	2203-6560	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6692	100 (25)

End and intermediate plate; For use with fuse plugs; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6693	100 (25)

End and intermediate plate; For use with double fuse plug; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2203-6694	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Test plug adapter N/L

Color	Item No.	PU (SPU)
gray	2003-499	100 (25)

Test plug adapter N

Color	Item No.	PU (SPU)
gray	2003-500	100 (25)

Double fuse plug; for 5 x 20 mm miniature metric fuse; Width: 10.4 mm; gray

Blown fuse indication	Item No.	PU
without blown fuse indication	2003-911	25
with indicator lamp	2003-911/1000-923	25

Fuse plug; for 5 x 20 mm miniature metric fuse

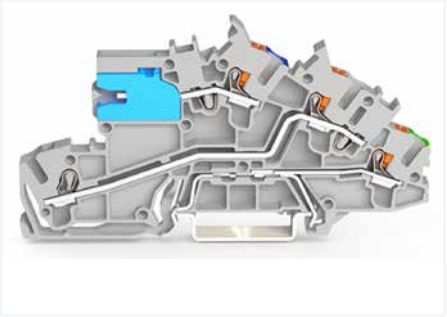
Color	Item No.	PU
gray	2004-911	50

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2205 Series
Push-button ▸ Operating tool ▸ 4 mm² ▸ Width: 6.2 mm



3

Electrical data									
Specialty functions	with N-disconnect slide								
Clamping units	4			4			5		
Potential marking	NT/L/PE			L/L; N/L			N/L/PE; L/L/PE		
Ratings	Potential - ground			Potential - potential			Potential - ground		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	31 A	-	-	32 A	-	-	32 A	-	-
Current at conductor cross-section (max.) mm²	35 A	-	-	40 A	-	-	40 A	-	-
Ratings	Potential - potential						Potential - potential		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	31 A	-	-				32 A	-	-
Current at conductor cross-section (max.) mm²	35 A	-	-				40 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

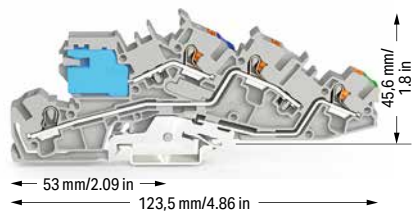
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2205 Series
Push-button ▸ Operating tool ▸ 4 mm² ▸ Width: 6.2 mm

with N-disconnect slide ▸ Clamping units: 4

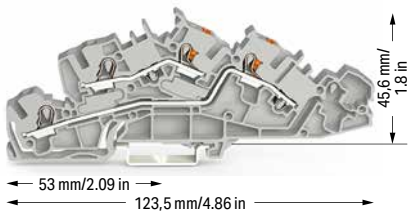


2205-7541

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2205-7541	50

Clamping units: 4

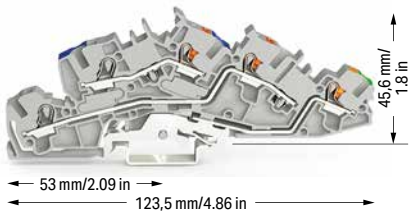


2205-7542

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2205-7542	50
gray	N/L	2205-7549	50

Clamping units: 5



2205-7546

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2205-7546	50
gray	L/L/PE	2205-7545	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2005-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2205-7692	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data						
Specialty functions	with N-disconnect slide					
Clamping units	4; 3; 5			4; 2		
Potential marking	NT/L/PE; NT/L; LT/L; N/L/PE; L/L/PE			L/L; N/L; L; N		
Ratings	Potential - ground			Potential - potential		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	32 A	-	-

Ratings	Potential - potential		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

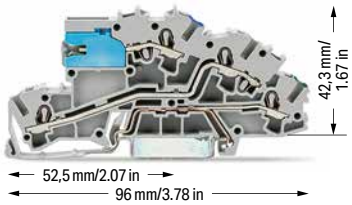
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Lock-out	Page 411
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

with N-disconnect slide



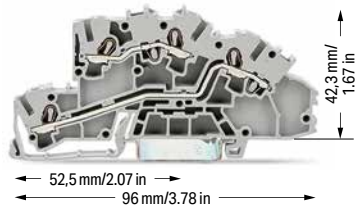
2003-7641

Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2003-7641	50

Clamping units: 3 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L	2003-7640	50
gray	LT/L	2003-7659	50



2003-7642

Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2003-7642	50
gray	N/L	2003-7649	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2003-7650	50
gray	N	2003-7651	50

Clamping units: 5

2003-7646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2003-7646	50
gray	L/L/PE	2003-7645	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2003-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2003-7692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

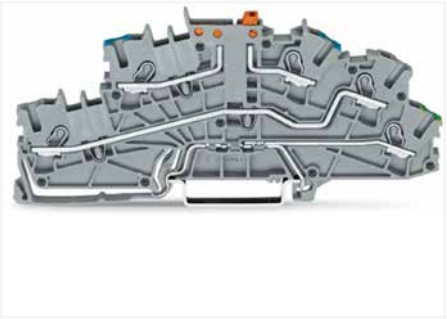
Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm



Electrical data									
Specialty functions	with pivoting knife disconnect								
Clamping units	5			4; 2			5		
Potential marking	NTi/L/PE; LTi/L/PE			L/L; N/L; L; N			N/L/PE; L/L/PE		
Ratings	**Potential - ground**			**Potential - ground**			**Potential - ground**		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-	4 kV	-	-
Rated current	20 A	-	-	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	25 A	-	-	28 A	-	-	28 A	-	-
Ratings	**Potential - potential**						**Potential - potential**		
Ratings per	IEC/EN 60947-7-1						IEC/EN 60947-7-1		
Overvoltage category	III	III	II				III	III	II
Pollution degree	3	2	2				3	2	2
Nominal voltage	400 V	-	-				400 V	-	-
Rated surge voltage	6 kV	-	-				6 kV	-	-
Rated current	20 A	-	-				24 A	-	-
Current at conductor cross-section (max.) mm²	25 A	-	-				25 A	-	-
Approvals per	**UL 1059**			**UL 1059**			**UL 1059**		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	150 V	300 V	300 V	150 V	300 V	300 V	150 V	300 V
Rated current	20 A	20 A	10 A	20 A	20 A	10 A	20 A	20 A	10 A
Approvals per	**CSA 22.2 No 158**			**CSA 22.2 No 158**			**CSA 22.2 No 158**		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	150 V	300 V	-	150 V	300 V	-	150 V
Rated current	20 A	-	10 A	20 A	-	10 A	20 A	-	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

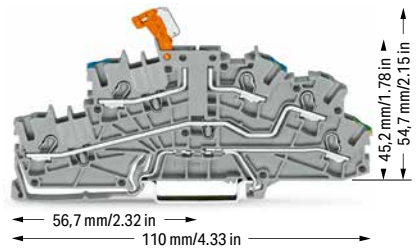
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 413
Tool	Page 590
See technical section for further information	
Approvals and corresponding ratings, visit www.wago.com	

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

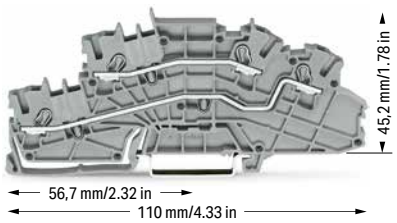
with pivoting knife disconnect ▸ Clamping units: 5



2003-6641

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NTi/L/PE	2003-6641	50
gray	LTi/L/PE	2003-6644	50



2003-6642

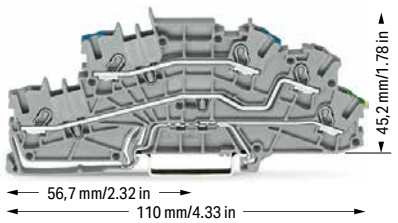
Clamping units: 4 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2003-6642	50
gray	N/L	2003-6649	50

Clamping units: 2 ▸ Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L	2003-6650	50
gray	N	2003-6651	50

Clamping units: 5



2003-6646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2003-6646	50
gray	L/L/PE	2003-6645	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; For use with fuse plugs; snap-on type

Color	Item No.	PU (SPU)
orange	2003-6692	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

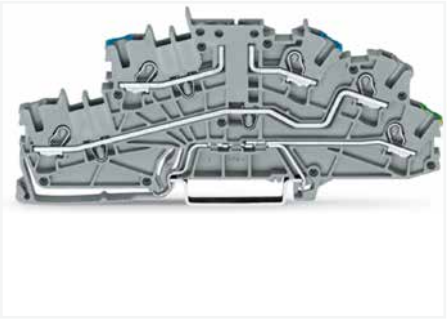
Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5



Electrical data			
Maximum current depends on accessories used.			
Ratings	**Potential - ground**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	20 A	-	-
Current at conductor cross-section (max.) mm²	25 A	-	-
Ratings	**Potential - potential**		
Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	20 A	-	-
Current at conductor cross-section (max.) mm²	25 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	250 V	150 V	250 V
Rated current	6.3 A	6.3 A	6.3 A
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	20 A	-	10 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

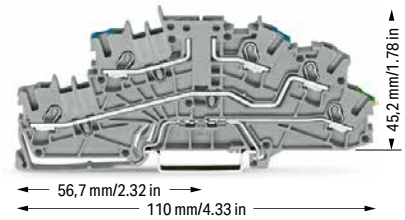
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 411, 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Plug	Page 308
Push-in type wire jumper	Page 524
Test and measurement	Page 535, 609
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

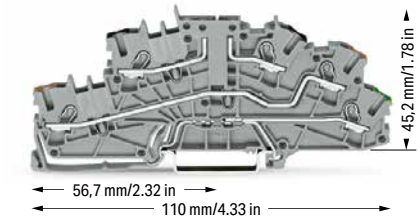
Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2003 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Clamping units: 5



2003-6640

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2003-6640	50
gray	L/N/PE	2003-6661	50
gray	L/L/PE	2003-6662	50



2003-6643

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	P2/P1/PE	2003-6643	50
gray	P1/P2/PE	2003-6660	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 0.8 mm; For use with fuse plugs; snap-on type

Color	Item No.	PU (SPU)
orange	2003-6692	100 (25)

End and intermediate plate; Width: 1 mm; For use with fuse plugs; snap-on type

Color	Item No.	PU (SPU)
orange	2003-6693	100 (25)

End and intermediate plate; Width: 1 mm; For use with double fuse plug; snap-on type

Color	Item No.	PU (SPU)
orange	2003-6694	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Test plug adapter N/L

Color	Item No.	PU (SPU)
gray	2003-499	100 (25)

Test plug adapter N

Color	Item No.	PU (SPU)
gray	2003-500	100 (25)

Double fuse plug; for 5 x 20 mm miniature metric fuse; Width: 10.4 mm; gray

Blown fuse indication	Item No.	PU
without blown fuse indication	2003-911	25
with indicator lamp	2003-911/1000-923	25

Fuse plug; for 5 x 20 mm miniature metric fuse

Color	Item No.	PU
gray	2004-911	50

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2005 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm

Electrical data						
Specialty functions	with N-disconnect slide					
Clamping units	4; 5			4		
Potential marking	NT/L/PE; N/L/PE; L/L/PE			L/L; N/L		
Ratings	Potential - ground			Potential - potential		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	400 V	-	-
Rated surge voltage	4 kV	-	-	6 kV	-	-
Rated current	32 A	-	-	32 A	-	-
Current at conductor cross-section (max.) mm²	36 A	-	-	36 A	-	-

Ratings	Potential - potential			
Ratings per	IEC/EN 60947-7-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	400 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	32 A	-	-	
Current at conductor cross-section (max.) mm²	36 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Connectable conductor materials	Copper
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

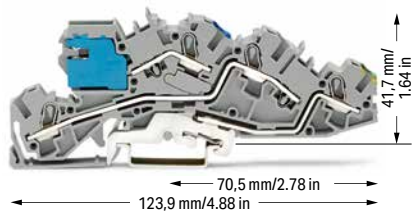
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 517
Marking	Page 554
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2005 Series
Operating tool ▸ 4 mm² ▸ Width: 6.2 mm

with N-disconnect slide ▸ Clamping units: 4

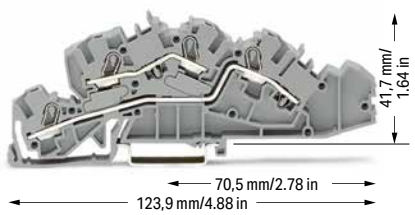


2005-7641

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	NT/L/PE	2005-7641	50

Clamping units: 4

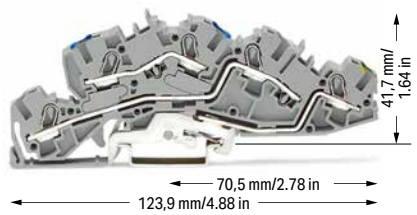


2005-7642

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	L/L	2005-7642	50
gray	N/L	2005-7649	50

Clamping units: 5



2005-7646

Multilevel installation terminal block ▸ Color gray

Color	Potential marking	Item No.	PU
gray	N/L/PE	2005-7646	50
gray	L/L/PE	2005-7645	50

Item-Specific Accessories

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2005-7300	100 (25)

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2005-7692	100 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2004-402	25
1-2-3	2004-403	25
1-2-3-4-5-6-7-8-9-10	2004-410	25
1-3	2004-433	25
1-4	2004-434	25
1-10	2004-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

3

Electrical data						
Clamping units	1			2		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-
Rated surge voltage	4 kV	-	-	4 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	31 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 17 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

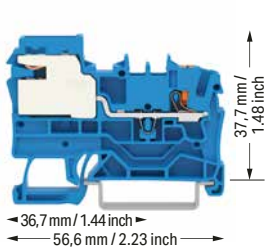
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2202 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 1



2202-7114

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2202-7114	50

Power distribution disconnect terminal block ▸ Color gray

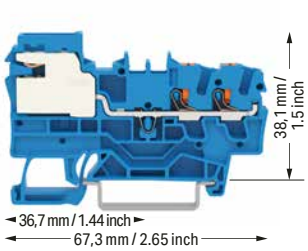
Color	Item No.	PU
gray	2202-7111	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-7192	100 (25)

Clamping units: 2



2202-7214

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2202-7214	50

Power distribution disconnect terminal block ▸ Color gray

Color	Item No.	PU
gray	2202-7211	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-7292	100 (25)

Accessories; for all products on this page

Lock-out

Color	Item No.	PU (SPU)
orange	2005-7300	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series

Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1

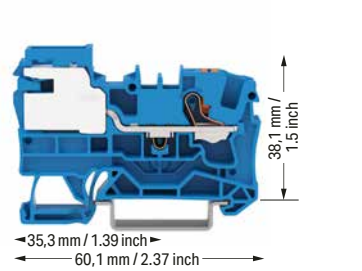
Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	41 A	-	-	
Current at conductor cross-section (max.) mm²	51 A	-	-	
Connection data				
Connection technology	Push-in CAGE CLAMP®			
Strip length	13 … 15 mm / 0.51 … 0.59 inches			
Connectable conductor materials	Copper			
Nominal cross-section	6 mm²			
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG			
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG			
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG			
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG			
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG			
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.			
Material data				
Material group	I			
Insulation material (main housing)	Polyamide (PA66)			
Flammability class per UL94	V0			
Environmental requirements				
Processing temperature	-35 … +60 °C			
Continuous operating temperature	-60 … +105 °C			

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2206 Series
Push-button ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



2206-7114

N-disconnect terminal block ▸ Color blue		
Color	Item No.	PU
blue	2206-7114	50

Power distribution disconnect terminal block ▸ Color gray		
Color	Item No.	PU
gray	2206-7111	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-7192	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series

Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1

3

Electrical data				
Ratings per	IEC/EN 60947-7-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	69 A	-	-	
Current at conductor cross-section (max.) mm²	75 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

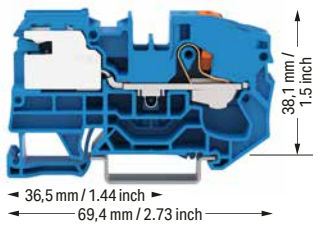
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



2216-7114

N-disconnect terminal block ▸ Color blue		
Color	Item No.	PU
blue	2216-7114	25

Power distribution disconnect terminal block ▸ Color gray		
Color	Item No.	PU
gray	2216-7111	25

3

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-7192	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Electrical data									
Clamping units	1			2			2		
Main product function	N-disconnect terminal block; Power distribution disconnect terminal block			Through terminal block; Supply module			Through terminal block; Supply module		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	800 V	-	-	800 V	-	-
Rated surge voltage	4 kV	-	-	8 kV	-	-	8 kV	-	-
Rated current	73 A	-	-	76 A	-	-	76 A	-	-
Current at conductor cross-section (max.) mm²							90 A	-	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

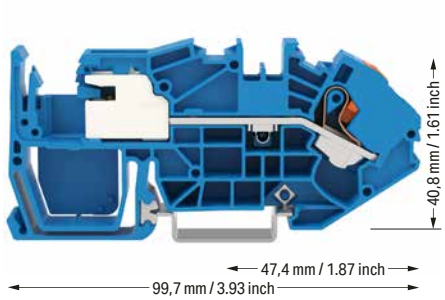
Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554
N-busbar	Page 435
Protective warning marker	Page 537
Test and measurement	Page 533
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2216 Series
Push-button ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 1



2216-7714

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2216-7714	20

Power distribution disconnect terminal block ▸ Color gray

Color	Item No.	PU
gray	2216-7711	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2216-7792	20

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

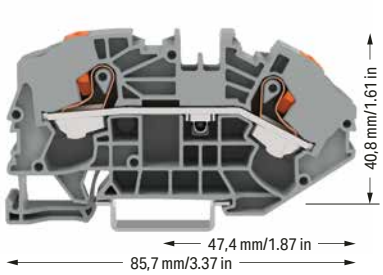
N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Clamping units: 2



2216-7601

Through terminal block; Supply module

Color	Item No.	PU
gray	2216-7601	20
blue	2216-7604	20

Ground terminal block; Supply module ▸ Color green-yellow

Color	Item No.	PU
green-yellow	2216-7607	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU
orange	2216-7692	20
gray	2216-7691	20

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Electrical data				
Ratings per	**IEC/EN 60947-7-1**			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	24 A	-	-	
Current at conductor cross-section (max.) mm²	32 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 17 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

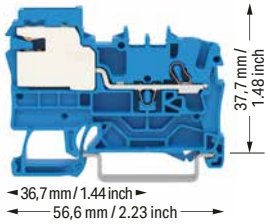
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Test and measurement	Page 531
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2002 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm ▸ Number of jumper slots: 2

Clamping units: 1



2002-7114

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2002-7114	50

Power distribution disconnect terminal block ▸ Color gray

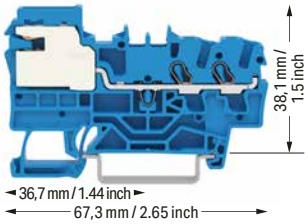
Color	Item No.	PU
gray	2002-7111	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-7192	100 (25)

Clamping units: 2



2002-7214

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2002-7214	50

Power distribution disconnect terminal block ▸ Color gray

Color	Item No.	PU
gray	2002-7211	50

Item-Specific Accessories

End and intermediate plate; Width: 0.8 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2002-7292	100 (25)

3

Accessories; for all products on this page

Lock-out

Color	Item No.	PU (SPU)
orange	2005-7300	100 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	41 A	-	-
Current at conductor cross-section (max.) mm²	51 A	-	-

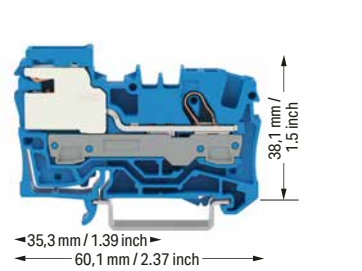
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	13 … 15 mm / 0.51 … 0.59 inches
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0.5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2.5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2.5 … 6 mm² / 16 … 10 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Installation	Page 588
Jumper	Page 519
Marking	Page 554
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2006 Series
Operating tool ▸ 6 mm² ▸ Width: 7.5 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



2006-7114

N-disconnect terminal block ▸ Color blue		
Color	Item No.	PU
blue	2006-7114	50

Power distribution disconnect terminal block ▸ Color gray		
Color	Item No.	PU
gray	2006-7111	50

3

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2006-7192	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2006-402	25
1-2-3	2006-403	25
1-2-3-4	2006-404	25
1-2-3-4-5	2006-405	25
1-3	2006-433	25
1-4	2006-434	25
1-5	2006-435	25

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

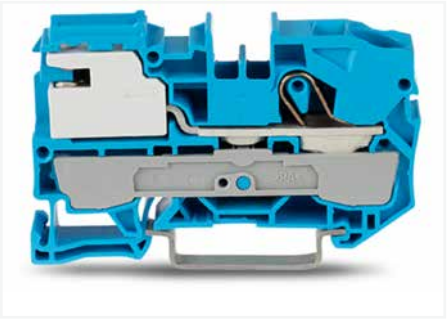
Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2010 Series
Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	57 A	-	-

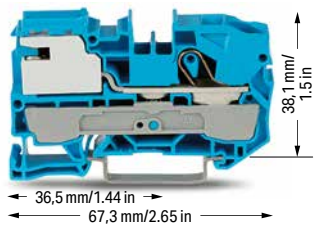
Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	17 … 19 mm / 0.67 … 0.75 inches
Nominal cross-section	10 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	4 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with ferrule; push-in termination	4 … 10 mm² / 12 … 8 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 520
Marking	Page 554
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2010 Series
Operating tool ▸ 10 mm² ▸ Width: 10 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



2010-7114

N-disconnect terminal block ▸ Color blue		
Color	Item No.	PU
blue	2010-7114	25

Power distribution disconnect terminal block ▸ Color gray		
Color	Item No.	PU
gray	2010-7111	25

3

Accessories; for all products on this page

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2010-7192	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2010-402	25
1-2-3	2010-403	25
1-2-3-4	2010-404	25
1-2-3-4-5	2010-405	25
1-3	2010-433	25
1-4	2010-434	25
1-5	2010-435	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1

3

Electrical data				
Ratings per	IEC/EN 60947-7-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	4 kV	-	-	
Rated current	72 A	-	-	
Current at conductor cross-section (max.) mm²	80 A	-	-	

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

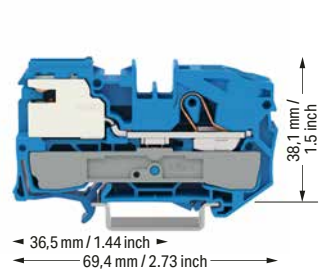
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2 ▸ Clamping units: 1



2016-7114

N-disconnect terminal block ▸ Color blue		
Color	Item No.	PU
blue	2016-7114	25

Power distribution disconnect terminal block ▸ Color gray		
Color	Item No.	PU
gray	2016-7111	25

3

Accessories; for all products on this page

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-7192	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

Busbar carrier; Width: 7.5 mm

Color	Item No.	PU
blue	2009-305	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

PU = packaging unit; SPU = subpackaging unit

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Electrical data									
Clamping units	1			1			2		
Main product function	N-disconnect terminal block			Power distribution disconnect terminal block			Through terminal block; Supply module		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	250 V	-	-	250 V	-	-	800 V	-	-
Rated surge voltage	4 kV	-	-	4 kV	-	-	8 kV	-	-
Rated current	76 A	-	-	73 A	-	-	76 A	-	-
Current at conductor cross-section (max.) mm²	76 A	-	-	82 A	-	-			

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Connectable conductor materials	Copper
Nominal cross-section	16 mm²
Solid conductor	0.5 … 16 mm² / 20 … 6 AWG
Solid conductor; push-in termination	6 … 16 mm² / 14 … 6 AWG
Fine-stranded conductor	0.5 … 25 mm² / 20 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 16 mm² / 20 … 6 AWG
Fine-stranded conductor; with ferrule; push-in termination	6 … 16 mm² / 10 … 6 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. AWG specifications were converted according to IEC.
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

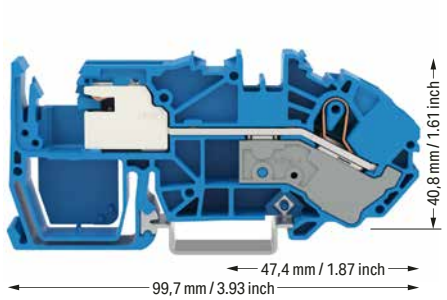
Cover	Page 537
DIN-rail	Page 582
Ferrule	Page 602
Installation	Page 588
Jumper	Page 521
Marking	Page 554
N-busbar	Page 435
Protective warning marker	Page 537
Test and measurement	Page 533
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Installation rail-mount terminal blocks ▸ TOPJOB® S ▸ 2016 Series
Operating tool ▸ 16 mm² ▸ Width: 12 mm ▸ Number of jumper slots: 2

Clamping units: 1



2016-7714

N-disconnect terminal block ▸ Color blue

Color	Item No.	PU
blue	2016-7714	20

Power distribution disconnect terminal block ▸ Color gray

Color	Item No.	PU
gray	2016-7711	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-7792	100 (25)

Busbar; Length: 1000 mm

Color	Item No.	PU
white	210-133	1

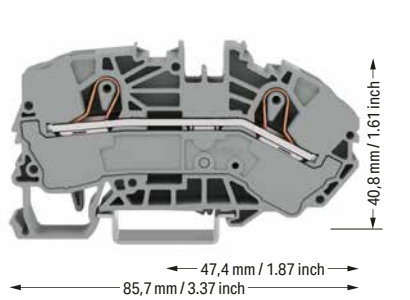
N-busbar cover; Length: 1000 mm

Color	Item No.	PU (SPU)
transparent	777-303	200 (1)

Lock-out

Color	Item No.	PU (SPU)
orange	2006-7300	100 (25)

Clamping units: 2



2016-7601

Through terminal block; Supply module

Color	Item No.	PU
gray	2016-7601	20
blue	2016-7604	20

Ground terminal block; Supply module ▸ Color green-yellow

Color	Item No.	PU
green-yellow	2016-7607	20

Item-Specific Accessories

End and intermediate plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
orange	2016-7692	100 (25)

End plate; Width: 1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2016-7691	100 (25)

Accessories; for all products on this page

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2016-402	25
1-2-3	2016-403	25
1-2-3-4	2016-404	25
1-2-3-4-5	2016-405	25
1-3	2016-433	25
1-4	2016-434	25
1-5	2016-435	25

Busbar carrier; Width: 1.5 mm

Color	Item No.	PU (SPU)
blue	2009-304	100 (25)

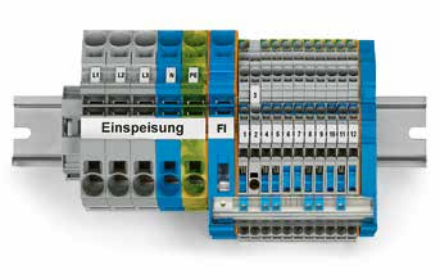
Busbar carrier; Width: 7.5 mm

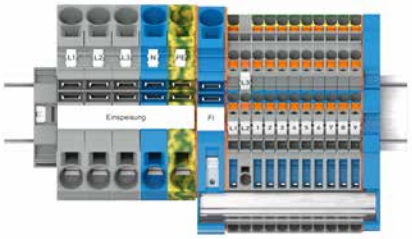
Color	Item No.	PU
blue	2009-305	25

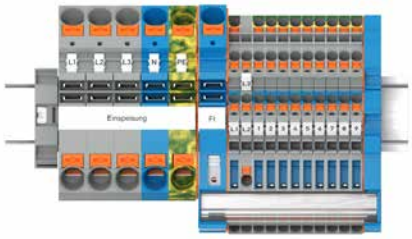
PU = packaging unit; SPU = subpackaging unit

Board Set ▸ TOPJOB® S ▸ 821 Series

- Suitable for a sub-distribution board equipped with a residual current breaker (RCB); includes all required components for wiring supply terminal blocks, as well as connecting 9 AC circuits and 1 three-phase circuits
- Distribution of ground fault potentials via one 10 x 3 mm N-busbar. Separation of N-potentials for insulation resistance measurement via N-disconnect slide links within the multilevel installation terminal block







Subdistribution board set TOPJOB® S; with operating slots		
	Item No.	Pack. Unit
	821-104	1

Contains:
- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 1 x Multilevel installation terminal block; L/L; 4 mm² (2003-7642)
- 1 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

Subdistribution board set TOPJOB® S; with operating slots and push-button		
	Item No.	Pack. Unit
	821-106	1

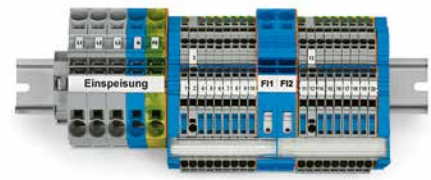
Contains:
- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7541)
- 1 x Multilevel installation terminal block; L/L; 4 mm² (2203-7542)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

Subdistribution board set TOPJOB® S; with push-button		
	Item No.	Pack. Unit
	821-107	1

Contains:
- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 1 x Multilevel installation terminal block; L/L; 4 mm² (2203-7642)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2216-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2216-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2216-7607)
- 1 x End and intermediate plate (2216-7692)
- 1 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2216-7714)
- 1 x End and intermediate plate (2216-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 1 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

Board Set ▸ TOPJOB® S ▸ 821 Series

- Suitable for a main distribution board with two residual current breakers (RCB); includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- Distribution of ground fault potentials via two 10 x 3 mm N-busbars; separation of N-potentials for insulation resistance measurement via N-disconnect slide links within the multilevel installation terminal block



TOPJOB® S FI main distribution board set; with operating slots		
	Item No.	Pack. Unit
	821-122	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2003-7642)
- 2 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

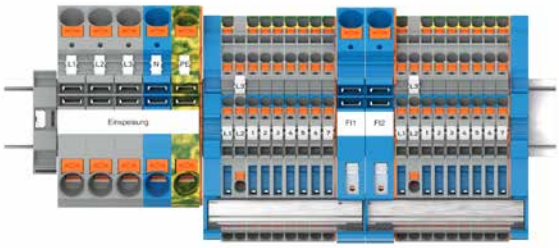
TOPJOB® S FI main distribution board set; with operating slots and push-button		
	Item No.	Pack. Unit
	821-108	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7541)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-7542)
- 2 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 1 x End and intermediate plate (2016-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

TOPJOB® S FI main distribution board set; with push-button		
	Item No.	Pack. Unit
	821-109	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-7642)
- 2 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2216-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2216-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2216-7607)
- 1 x End and intermediate plate (2216-7692)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2216-7714)
- 1 x End and intermediate plate (2216-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

Complete rail-mount terminal block set with all necessary accessories for wiring a main distribution board with 2 RCDs
- 1 three-phase power supply terminal block set 16mm² with a comfortable lever connection for the incoming rigid conductors and 2 outputs to the RCDs
- Connection of 9 alternating current circuits and 1 three-phase circuit 4mm² in accordance with DIN 18015-1
- 2 RCD potentials distributed over 2 N-busbars
- N-disconnection of the individual circuits for insulation resistance measurement via N-disconnect slides in the installation level terminals

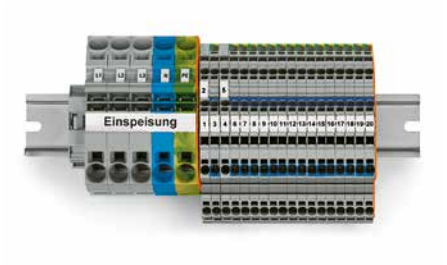


TOPJOB® S 2 FI main distribution board set; with push-button		
	Item No.	Pack. Unit
	821-109	1

Contains:
- 10 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 1 x Multilevel installation terminal block; L/L; 4 mm² (2203-7642)
- 2 x End and intermediate plate (2203-7692)
- 3 x 3-conductor through terminal block; gray; 16 mm² (2116-5301)
- 3 x 3-conductor through terminal block; blue; 16 mm² (2116-5304)
- 1 x 3-conductor ground terminal block; green-yellow; 16 mm² (2116-5307)
- 1 x End and intermediate plate (2216-1392)
- 2 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2216-7714)
- 1 x End and intermediate plate (2216-7792)
- 1 x Screwless end stop; 10 mm wide (249-117)
- 2 x Busbar carrier; with end stop function (2009-305)
- 1 x Busbar; tin-plated; 0.2 m (210-133)
- 1 x N-busbar cover; transparent; 0.2 m (777-303)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x Fiber-tip pen (210-110)

Board Set ▸ TOPJOB® S ▸ 821 Series

- Suitable for a main distribution board with separate RDC/LS switches for each circuit; includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- Connection of L- and N-conductors for RDC/LS switches to the circuits via multilevel installation terminal blocks without disconnection possibility; separation of N-potentials for insulation resistance measurement via RCD/LS switches



TOPJOB® S FI/LS main distribution board set; with operating slots

Item No.	Pack. Unit
821-123	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2003-7642)
- 1 x End and intermediate plate (2003-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

TOPJOB® S FI/LS main distribution board set TOPJOB® S; with operating slots and push-button

Item No.	Pack. Unit
821-110	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7541)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-7542)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

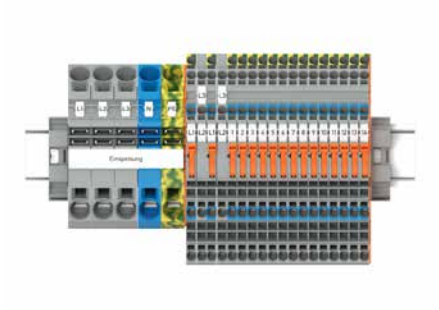
TOPJOB® S FI/LS main distribution board set; with push-button

Item No.	Pack. Unit
821-111	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-7641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-7642)
- 1 x End and intermediate plate (2203-7692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2216-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2216-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2216-7607)
- 1 x End and intermediate plate (2216-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

Board Set ▸ TOPJOB® S ▸ 821 Series

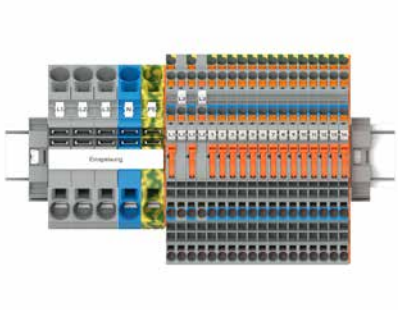
- Suitable for a main distribution board with several RCD switches and small circuit groups; includes all required components for wiring supply terminal blocks and connecting 14 AC circuits and two three-phase circuits
- The ground fault potentials are supplied for each individual terminal block. The ground fault potentials of adjacent terminal blocks can be commoned using optional jumpers to create small circuit groups. N-potentials can be disconnected for insulation resistance measurement via knife disconnects within the multilevel installation terminal block



TOPJOB® S main distribution board set; with operating slots

Item No.	Pack. Unit
821-129	1

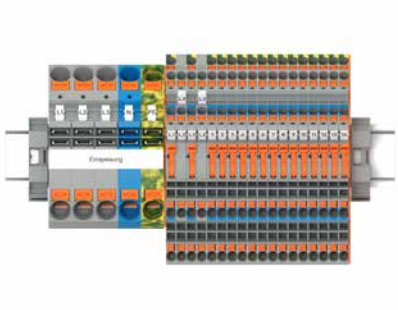
Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2003-6641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2003-6642)
- 1 x End and intermediate plate (2003-6692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499)
- 2 x Test plug adapter N; gray (2003-500)
- 2 x Test plug adapter; for 4 mm Ø test plugs (2009-174)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)



TOPJOB® S main distribution board set; with operating slots and push-button

Item No.	Pack. Unit
821-112	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-6541)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-6542)
- 1 x End and intermediate plate (2203-6692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 1 x End and intermediate plate (2016-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499)
- 2 x Test plug adapter N; gray (2003-500)
- 2 x Test plug adapter; for 4 mm Ø test plugs (2009-174)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)



TOPJOB® S main distribution board set; with push-button

Item No.	Pack. Unit
821-113	1

Contains:
- 16 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2203-6641)
- 2 x Multilevel installation terminal block; L/L; 4 mm² (2203-6642)
- 1 x End and intermediate plate (2203-6692)
- 3 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2216-7601)
- 1 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2216-7604)
- 1 x 2-conductor ground terminal block; green-yellow; 16 mm² (2216-7607)
- 1 x End and intermediate plate (2216-7692)
- 2 x Screwless end stop; 10 mm wide (249-117)
- 15 x Push-in type jumper bar; 2-way (2002-402)
- 2 x Test plug adapter N/L; gray (2003-499)
- 2 x Test plug adapter N; gray (2003-500)
- 2 x Test plug adapter; for 4 mm Ø test plugs (2009-174)
- 1 x Marking strips; white; 0.5 m (2009-110)
- 1 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Fiber-tip pen (210-110)

INSTA-BOX ▸ TOPJOB® S ▸ 821 Series

Multilevel installation terminal blocks with complete accessories for three standard distributions in single-family and multi-family buildings
- In the practical L-BOXX – matching the vehicle equipment system
- Mobile storage for your construction site!

TOPJOB® S INSTA-BOX; L-BOXX® 102; with operating slots; for Distribution Boards in Buildings

	Bestellnr.	VPE
	821-160	1

Contains:
- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm² (2003-7641)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm² (2003-7642)
- 10 x End and intermediate plate (2003-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2005-7641)
- 5 x Multilevel installation terminal block; L/L; 4 mm² (2005-7642)
- 5 x End and intermediate plate (2003-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 10 x End and intermediate plate (2016-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 5 x End and intermediate plate (2016-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009-304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm² (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110)
- 2 x WMB marking card; plain (793-5501)
- 2 x WMB marking card; 1 ··· 50 (793-5566)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)

TOPJOB® S INSTA-BOX; L-BOXX® 102; with operating slots and push-button; for Distribution Boards in Buildings

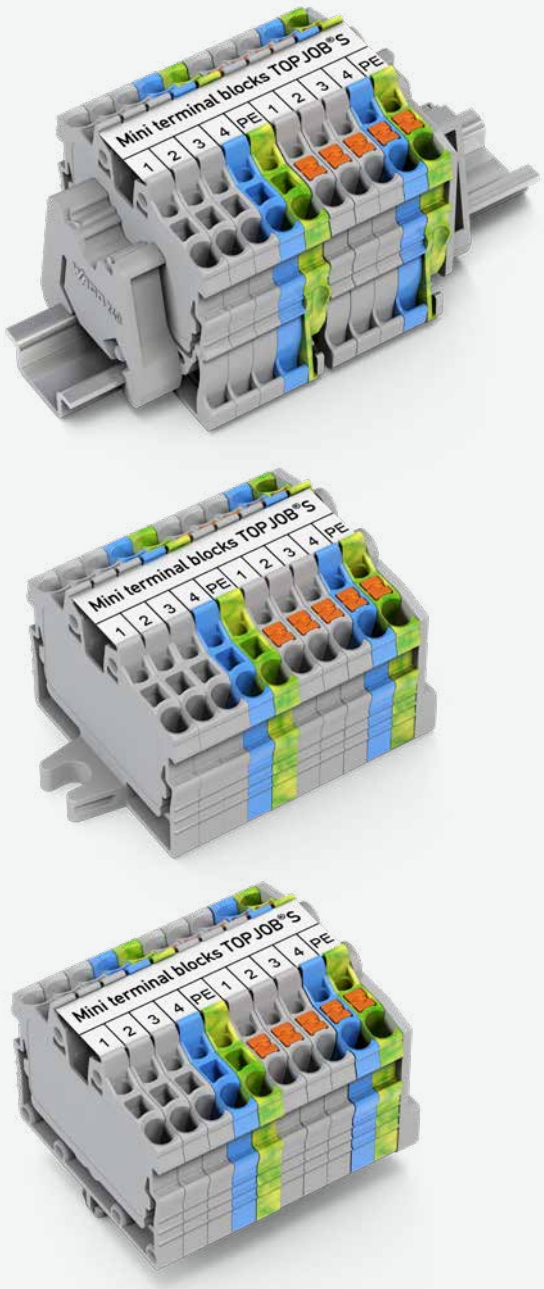
	Bestellnr.	VPE
	821-161	1

Contains:
- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm² (2203-7541)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm² (2203-7542)
- 10 x End and intermediate plate (2203-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2205-7541)
- 5 x Multilevel installation terminal block; L/L; 4 mm² (2205-7542)
- 5 x End and intermediate plate (2205-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2016-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2016-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm² (2016-7607)
- 10 x End and intermediate plate (2016-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2016-7714)
- 5 x End and intermediate plate (2016-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009-304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm² (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110)
- 2 x WMB marking card; plain (793-5566)
- 2 x WMB marking card; 1 ··· 50 (793-5501)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)

TOPJOB® S INSTA-BOX; L-BOXX® 102; with push-button; for Distribution Boards in Buildings

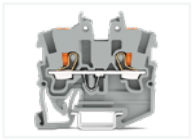
	Bestellnr.	VPE
	821-162	1

Contains:
- 50 x Multilevel installation terminal block; NT/L/PE; 2.5 mm² (2203-7641)
- 10 x Multilevel installation terminal block; L/L; 2.5 mm² (2203-7642)
- 10 x End and intermediate plate (2203-7692)
- 5 x Multilevel installation terminal block; NT/L/PE; 4 mm² (2205-7641)
- 5 x Multilevel installation terminal block; L/L; 4 mm² (2205-7642)
- 5 x End and intermediate plate (2205-7692)
- 9 x 2-conductor supply terminal block for distribution boxes; gray; 16 mm² (2216-7601)
- 3 x 2-conductor supply terminal block for distribution boxes; blue; 16 mm² (2216-7604)
- 3 x 2-conductor ground terminal block; green-yellow; 16 mm² (2216-7607)
- 10 x End and intermediate plate (2216-7692)
- 6 x 1-conductor N-disconnect terminal block; blue; 16 mm² (2216-7714)
- 5 x End and intermediate plate (2216-7792)
- 5 x Screwless end stop; 10 mm wide (249-117)
- 6 x Busbar carrier; with end stop function (2009-305)
- 5 x Busbar carrier; not suitable for use as end stop (2009-304)
- 4 x Busbar; tin-plated; 0.25 m (210-133)
- 4 x N-busbar cover; transparent; 0.25 m (777-303)
- 10 x Staggered jumper; 3-way (2002-473)
- 10 x Staggered jumper; 5-way (2002-475)
- 10 x Staggered jumper; 7-way (2002-477)
- 10 x Push-in type jumper bar; 2-way (2002-402)
- 5 x Push-in type jumper bar; 2-way (2016-402)
- 2 x Test plug; 2 mm Ø (210-136)
- 2 x Testing tap; for max. 2.5 mm² (2009-182)
- 5 x Lock-out; prevents reclosing of slide link; for 2003 Series (2003-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2002 and 2005 Series (2005-7300)
- 5 x Lock-out; prevents reclosing of slide link; for 2006 and 2016 Series (2006-7300)
- 4 x Marking strips; white; 0.25 m (2009-110)
- 2 x WMB marking card; plain (793-5566)
- 2 x WMB marking card; 1 ··· 50 (793-5501)
- 1 x WMB marking card; L1, L2, L3, N, PE (793-5472)
- 1 x Operating tool (2009-310)
- 1 x Fiber-tip pen (210-110)

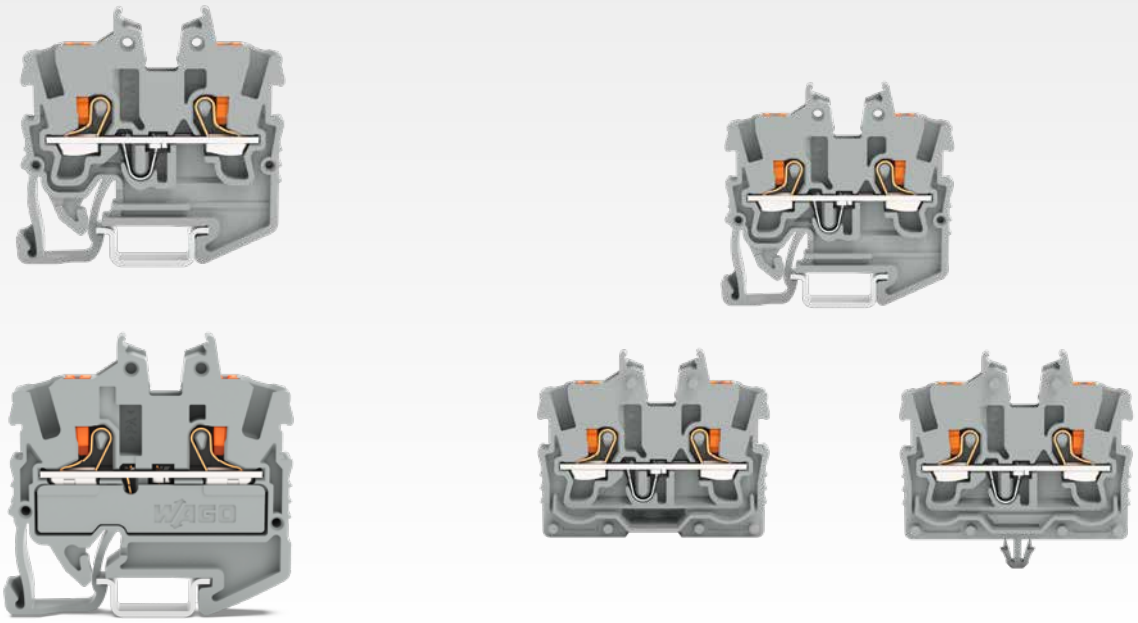


WAGO Mini Rail-Mount Terminal Blocks TOPJOB® S

WAGO Mini Rail-Mount Terminal Blocks TOPJOB® S
Front-Entry Wiring

			Seite
	Miniature Through and Ground Conductor Terminal Blocks ▸ with Push-Buttons ▸ for DIN-15 Rail **Miniature Through and Ground Conductor Terminal Blocks ▸ with Push-Buttons ▸ with Mounting Flange or with Snap-in Foot** 1 (1.5) mm² (16 AWG)	2250 Series	464
	**Miniature Through and Ground Conductor Terminal Blocks ▸ with Push-Buttons ▸ for DIN-15 Rail** **Miniature Through and Ground Conductor Terminal Blocks ▸ with Push-Buttons ▸ with Mounting Flange or with Snap-in Foot** 2,5 (4) mm² (12 AWG)	2252 Series	468
	Miniature Through and Ground Conductor Terminal Blocks ▸ for DIN-15 Rail **Miniature Through and Ground Conductor Terminal Blocks ▸ with Mounting Flange or with Snap-in Foot** 1 (1.5) mm² (16 AWG)	2050 Series	472
	Miniature Through and Ground Conductor Terminal Blocks ▸ for DIN-15 Rail **Miniature Through and Ground Conductor Terminal Blocks ▸ with Mounting Flange or with Snap-in Foot** 2,5 (4) mm² (12 AWG)	2052 Series	476

TOPJOB® S Miniature Terminal Blocks



4

Two Sizes

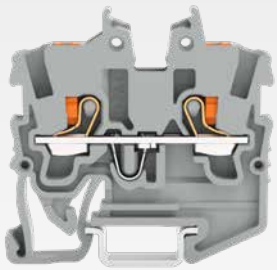
With nominal cross-sections of 1 mm² and 2.5 mm², finely stranded conductors with a connection area of 0.14 to 1 mm² in the smaller version and 0.25 to 2.5 mm² in the larger version can be connected; solid and stranded conductors can even be connected up to 1.5 mm² and 4 mm², respectively.

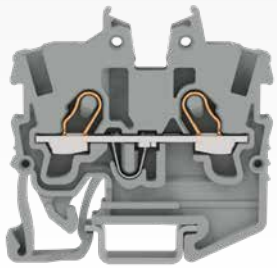
Mounting Versions

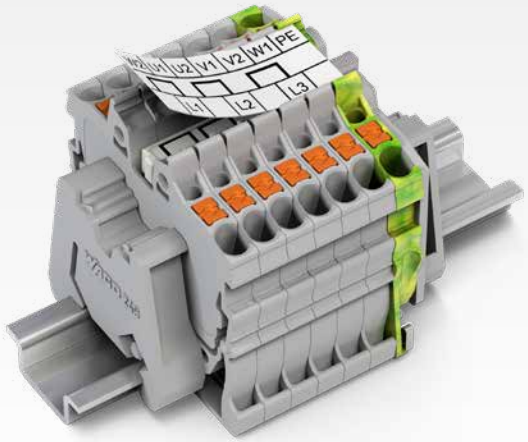
On DIN-15 rail
- With operating slot or push-button
- Ground (direct) contact

On mounting plate via snap-in foot
- With operating slot or push-button
- Mounting plate width: min. 0.6 mm / max. 1.2 mm

On mounting plate via flange
- With operating slot or push-button
- Mounting via M4 screw







Actuation Versions

Benefits:
Push-button
- Use any standard hand tool.
- The orange color highlights the actuator, giving users a clear overview at a glance.
- The push-button has become synonymous with convenience, making it the industry's go-to solution for in-the-field wiring.

Operating slot
- The tool stays in the operating slot – both hands are free for wiring.
- After insertion, the operating tool marks the clamping point and keeps it open.

Accessories

The WAGO Mini Terminal Block is the smallest version in the TOPJOB® S portfolio. And because they're part of the family, all of the industry-trusted TOPJOB® S accessories are also compatible with the Mini Terminal Blocks:
- Range of jumpers: The standard TOPJOB® S Jumpers can be used. For example, use the pre-assembled jumpers for a star connection (Item No. 2000-405/011-000) or a delta connection (Item No. 2000-406/020-000).
- Marking strip: WAGO's continuous marking strip enables time- and cost-saving marking – up to three lines at once.

Miniature Rail-Mount Terminal Blocks TOPJOB® S; with/without push-buttons and with Push-in CAGE CLAMP® 2250/2050/2252/2052 Series

Description and Installation

Insert ferruled conductors via push-in termination.

Insert fine-stranded conductors via operating tool.

Remove all conductors via operating tool.

Insert a jumper (star point jumper) and push down until it hits the backstop.

Insert a jumper (delta jumper) and push down until it hits the backstop.

Marking strip (Item No. 2009-110) inserted in the marking slot with jumper symbols of the inserted jumper

Snapping a marking strip (Item No. 2009-110) into a marker slot.

Snapping a WMB marking strip into a marker slot.

Insert ferruled conductors via push-in termination.

Insert fine-stranded conductors via operating tool.

Remove all conductors via operating tool.

Mounting a terminal strip with snap-in feet into holes.

Terminal strip; with snap-in mounting feet
Snapping a mounting foot (Item No. 209-120)
(Distance between mounting feet: approx. 20 ··· 25 mm)

Terminal strip; with snap-in mounting feet; for DIN-35 rail
(Item No. 209-120 Mounting Foot)

Mounting and securing a terminal strip directly to the plate via screw-type flanges

Terminal strip; with mounting flanges; screw mounting

Testing with a 2 mm Ø Test Plug (Item No. 210-136)
(max. 42 V).

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2250 Series
Push-button ▸ 1 mm² ▸ DIN-15 rail ▸ Width: 3.5 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

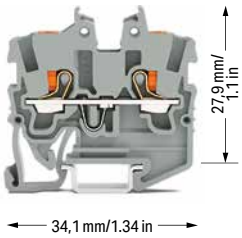
DIN-rail	Page 589
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2250 Series
Push-button ▸ 1 mm² ▸ DIN-15 rail ▸ Width: 3.5 mm



2250-1201

Through terminal block		
Color	Item No.	PU
gray	2250-1201	100
blue	2250-1204	100
orange	2250-1202	100
red	2250-1203	100
black	2250-1205	100
yellow	2250-1206	100
brown	2250-1201/000-014	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2250-1207	100

4

Accessories; for all products on this page

End and intermediate plate; Width: 1.1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-1291	100 (25)

Screwless end stop; 6 mm wide; for WMB markers; gray

Color	Item No.	PU (SPU)
gray	249-101	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Star point jumper; light gray

Jumper assignment	Item No.	PU
1-3-5	2000-405/011-000	25

Delta jumper; light gray

Jumper assignment	Item No.	PU
1-2 3-4 5-6	2000-406/020-000	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2250 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm

Electrical data						
Color	gray; blue; orange; red; black; yellow; brown			green-yellow		
Ratings per	IEC/EN 60998-2-2			IEC/EN 60998-2-2		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	500 V	-	-	500 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	13.5 A	-	-	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-	17.5 A	-	-
Approvals per	UL 1059					
Use group	B	C	D			
Rated voltage	300 V	300 V	-			
Rated current	10 A	10 A	-			
Approvals per	CSA 22.2 No 158					
Use group	B	C	D			
Rated voltage	300 V	300 V	-			
Rated current	10 A	10 A	-			

Electrical data	
Ratings per	ATEX: PTB 19 ATEX 1019 U / IECEx: PTB 19.0050U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	352 V
Rated current (Ex e II)	13.5 A
Rated current (Ex e II) with jumper	12 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 1 mm² / 24 … 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.14 … 1 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 1 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

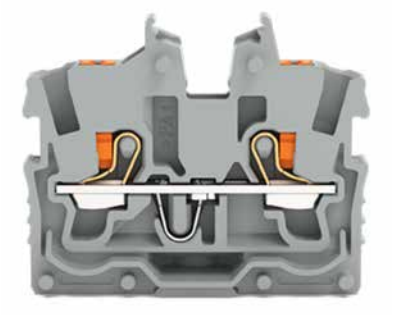
Ferrule	Page 602
Jumper	Page 508
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2250 Series
Push-button ▸ 1 mm² ▸ Width: 3.5 mm

Mounting flange



without snap-in mounting feet

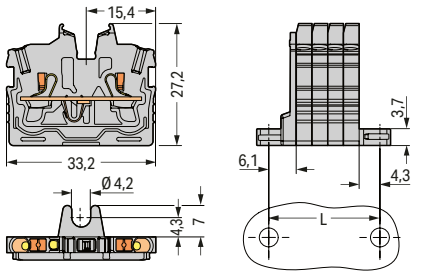
Snap-in foot

2250-311

Through terminal block

Color	Item No.	PU
gray	2250-301	100
blue	2250-304	100
orange	2250-302	100
red	2250-303	100
black	2250-305	100
yellow	2250-306	100
brown	2250-301/000-014	100
green-yellow	2250-307	100

Modular Terminal Blocks and Terminal Strips with Mounting Flanges
L = (Pole no. x 3,5 mm) + 4,3 mm + 6,1 mm



Item-Specific Accessories

End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-381	100 (25)

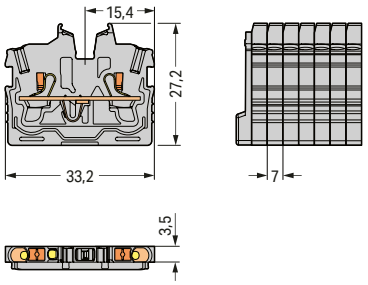
Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

Through terminal block

Color	Item No.	PU
gray	2250-321	100
blue	2250-324	100
orange	2250-322	100
red	2250-323	100
black	2250-325	100
yellow	2250-326	100
brown	2250-321/000-014	100
green-yellow	2250-327	100

Modular Terminal Blocks and Terminal Strips without Snap-in Mounting Feet



Item-Specific Accessories

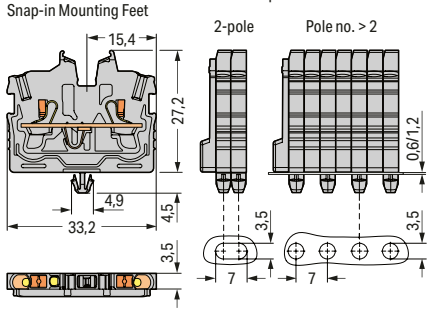
End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-381	100 (25)

Through terminal block

Color	Item No.	PU
gray	2250-311	100
blue	2250-314	100
orange	2250-312	100
red	2250-313	100
black	2250-315	100
yellow	2250-316	100
brown	2250-311/000-014	100
green-yellow	2250-317	100

Modular Terminal Blocks and Terminal Strips with Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 3.4 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-391	100 (25)

Mounting foot; Width: 6.4 mm; DIN-35 rail

Color	Item No.	PU (SPU)
gray	209-120	500 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2252 Series
Push-button ▸ 2.5 mm² ▸ DIN-15 rail ▸ Width: 5.2 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

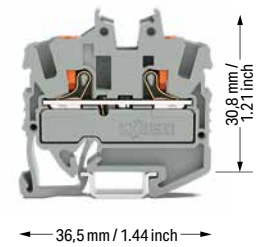
DIN-rail	Page 589
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2252 Series
Push-button ▸ 2.5 mm² ▸ DIN-15 rail ▸ Width: 5.2 mm



2252-1201

Through terminal block		
Color	Item No.	PU
gray	2252-1201	100
blue	2252-1204	100
orange	2252-1202	100
red	2252-1203	100
black	2252-1205	100
yellow	2252-1206	100
brown	2252-1201/000-014	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2252-1207	100

4

Accessories; for all products on this page

End plate; Width: 1.1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-1291	100 (25)

Screwless end stop; 6 mm wide; for WMB markers; gray

Color	Item No.	PU (SPU)
gray	249-101	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Star point jumper; light gray

Jumper assignment	Item No.	PU
1-3-5	2002-405/011-000	25

Delta jumper; light gray

Jumper assignment	Item No.	PU
1-2 3-4 5-6	2002-406/020-000	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2252 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data						
Color	gray; blue; orange; red; black; yellow; brown			green-yellow		
Ratings per	IEC/EN 60998-2-2			IEC/EN 60998-2-2		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	32 A	-	-
Approvals per	UL 1059					
Use group	B	C	D			
Rated voltage	600 V	600 V	-			
Rated current	20 A	20 A	-			
Approvals per	CSA 22.2 No 158					
Use group	B	C	D			
Rated voltage	600 V	600 V	-			
Rated current	20 A	20 A	-			

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1013 U / IECEx: PTB 20.0029U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	22 A
Rated current (Ex e II) with jumper	20 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Push-in type wire jumper	Page 524
Test and measurement	Page 534
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2252 Series
Push-button ▸ 2.5 mm² ▸ Width: 5.2 mm

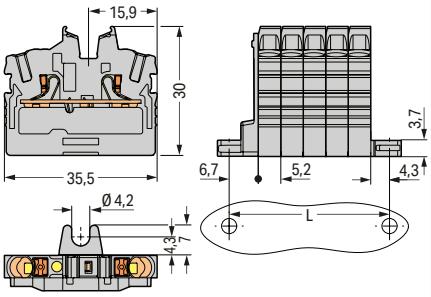
Mounting flange

2252-301

Through terminal block

Color	Item No.	PU
gray	2252-301	100
blue	2252-304	100
orange	2252-302	100
red	2252-303	100
black	2252-305	100
yellow	2252-306	100
brown	2252-301/000-014	100
green-yellow	2252-307	100

Modular Terminal Blocks and Terminal Strips with Mounting Flanges
L = (Pole no. x 5,2 mm) + 4,3 mm + 6,7 mm



Item-Specific Accessories

End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-381	100 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

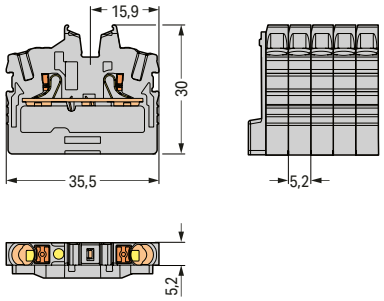
without snap-in mounting feet

2252-321

Through terminal block

Color	Item No.	PU
gray	2252-321	100
blue	2252-324	100
orange	2252-322	100
red	2252-323	100
black	2252-325	100
yellow	2252-326	100
brown	2252-321/000-014	100
green-yellow	2252-327	100

Modular Terminal Blocks and Terminal Strips without Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-381	100 (25)

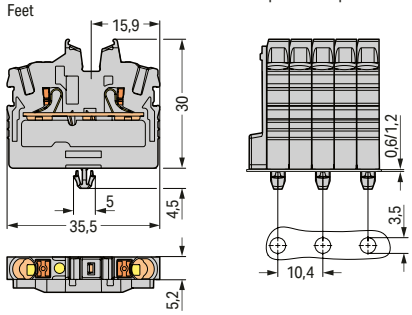
Snap-in foot

2252-311

Through terminal block

Color	Item No.	PU
gray	2252-311	100
blue	2252-314	100
orange	2252-312	100
red	2252-313	100
black	2252-315	100
yellow	2252-316	100
brown	2252-311/000-014	100
green-yellow	2252-317	100

Modular Terminal Blocks and Terminal Strips with Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 3.4 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-391	100 (25)

Mounting foot; Width: 6.4 mm; DIN-35 rail

Color	Item No.	PU (SPU)
gray	209-120	500 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2050 Series
Operating tool ▸ 1 mm² ▸ DIN-15 rail ▸ Width: 3.5 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	300 V	300 V	-
Rated current	10 A	10 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Flammability class per UL94	V0

Environmental requirements	
Continuous operating temperature	-60 … +105 °C

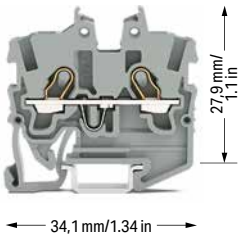
DIN-rail	Page 589
Ferrule	Page 602
Installation	Page 588
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2050 Series
Operating tool ▸ 1 mm² ▸ DIN-15 rail ▸ Width: 3.5 mm



2050-1201

Through terminal block		
Color	Item No.	PU
gray	2050-1201	100
blue	2050-1204	100
orange	2050-1202	100
red	2050-1203	100
black	2050-1205	100
yellow	2050-1206	100
brown	2050-1201/000-014	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2050-1207	100

Accessories; for all products on this page

End and intermediate plate; Width: 1.1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-1291	100 (25)

Screwless end stop; 6 mm wide; for WMB markers; gray

Color	Item No.	PU (SPU)
gray	249-101	50 (25)

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Star point jumper; light gray

Jumper assignment	Item No.	PU
1-3-5	2000-405/011-000	25

Delta jumper; light gray

Jumper assignment	Item No.	PU
1-2 3-4 5-6	2000-406/020-000	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2050 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

Electrical data						
Color	gray; blue; orange; red; black; yellow; brown			green-yellow		
Ratings per	IEC/EN 60998-2-2			IEC/EN 60998-2-2		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	500 V	-	-	500 V	-	-
Rated surge voltage	6 kV	-	-	6 kV	-	-
Rated current	13.5 A	-	-	13.5 A	-	-
Current at conductor cross-section (max.) mm²	17.5 A	-	-	17.5 A	-	-
Approvals per	UL 1059					
Use group	B	C	D			
Rated voltage	300 V	300 V	-			
Rated current	10 A	10 A	-			
Approvals per	CSA 22.2 No 158					
Use group	B	C	D			
Rated voltage	300 V	300 V	-			
Rated current	10 A	10 A	-			

Electrical data	
Ratings per	ATEX: PTB 19 ATEX 1019 U / IECEx: PTB 19.0050U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	352 V
Rated current (Ex e II)	13.5 A
Rated current (Ex e II) with jumper	12 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 1 mm² / 24 … 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.14 … 1 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 1 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

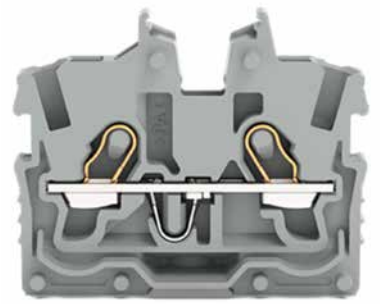
Ferrule	Page 602
Jumper	Page 508
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Test and measurement	Page 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2050 Series
Operating tool ▸ 1 mm² ▸ Width: 3.5 mm

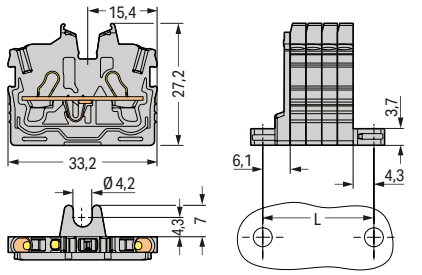
Mounting flange



Through terminal block

Color	Item No.	PU
gray	2050-301	100
blue	2050-304	100
orange	2050-302	100
red	2050-303	100
black	2050-305	100
yellow	2050-306	100
brown	2050-301/000-014	100
green-yellow	2050-307	100

Modular Terminal Blocks and Terminal Strips with Mounting Flanges
L = (Pole no. x 3,5 mm) + 4,3 mm + 6,1 mm



Item-Specific Accessories

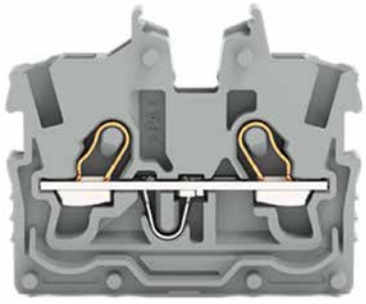
End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-381	100 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

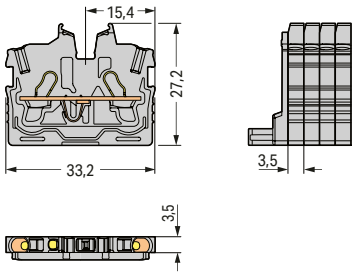
without snap-in mounting feet



Through terminal block

Color	Item No.	PU
gray	2050-321	100
blue	2050-324	100
orange	2050-322	100
red	2050-323	100
black	2050-325	100
yellow	2050-326	100
brown	2050-321/000-014	100
green-yellow	2050-327	100

Modular Terminal Blocks and Terminal Strips without Snap-in Mounting Feet

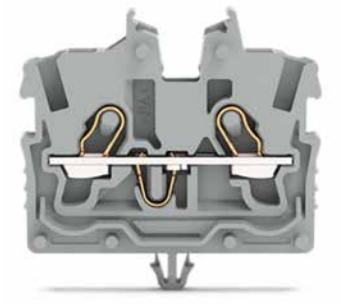


Item-Specific Accessories

End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-381	100 (25)

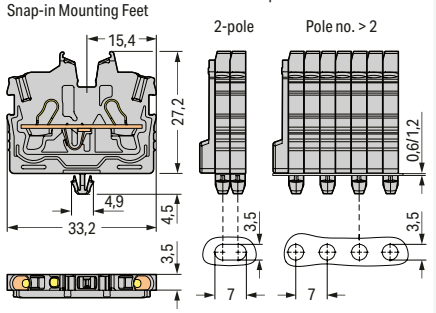
Snap-in foot



Through terminal block

Color	Item No.	PU
gray	2050-311	100
blue	2050-314	100
orange	2050-312	100
red	2050-313	100
black	2050-315	100
yellow	2050-316	100
brown	2050-311/000-014	100
green-yellow	2050-317	100

Modular Terminal Blocks and Terminal Strips with Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 3.4 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2050-391	100 (25)

Mounting foot; Width: 6.4 mm; DIN-35 rail

Color	Item No.	PU (SPU)
gray	209-120	500 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

Accessories; for all products on this page

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2000-402	25
1-2-3	2000-403	25
1-2-3-4-5-6-7-8-9-10	2000-410	25
1-3	2000-433	25
1-4	2000-434	25
1-10	2000-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2052 Series
Operating tool ▸ 2.5 mm² ▸ DIN-15 rail ▸ Width: 5.2 mm

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	800 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 589
Ferrule	Page 602
Installation	Page 588
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Test and measurement	Page 534
Tool	Page 590

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2052 Series
Operating tool ▸ 2.5 mm² ▸ DIN-15 rail ▸ Width: 5.2 mm

2052-1201

Through terminal block		
Color	Item No.	PU
gray	2052-1201	100
blue	2052-1204	100
orange	2052-1202	100
red	2052-1203	100
black	2052-1205	100
yellow	2052-1206	100
brown	2052-1201/000-014	100

Ground terminal block ▸ Color: green-yellow		
Color	Item No.	PU
green-yellow	2052-1207	100

4

Accessories; for all products on this page

End plate; Width: 1.1 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-1291	100 (25)

Screwless end stop; 6 mm wide; for WMB markers; gray

Color	Item No.	PU (SPU)
gray	249-101	50 (25)

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Star point jumper; light gray

Jumper assignment	Item No.	PU
1-3-5	2002-405/011-000	25

Delta jumper; light gray

Jumper assignment	Item No.	PU
1-2 3-4 5-6	2002-406/020-000	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2052 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

Electrical data						
Color	gray; blue; orange; red; black; yellow; brown			green-yellow		
Ratings per	IEC/EN 60998-2-2			IEC/EN 60998-2-2		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	800 V	-	-	800 V	-	-
Rated surge voltage	8 kV	-	-	8 kV	-	-
Rated current	24 A	-	-	24 A	-	-
Current at conductor cross-section (max.) mm²	32 A	-	-	32 A	-	-
Approvals per	UL 1059					
Use group	B	C	D			
Rated voltage	600 V	600 V	-			
Rated current	20 A	20 A	-			
Approvals per	CSA 22.2 No 158					
Use group	B	C	D			
Rated voltage	600 V	600 V	-			
Rated current	20 A	20 A	-			

Electrical data	
Ratings per	ATEX: PTB 20 ATEX 1013 U / IECEx: PTB 20.0029U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	22 A
Rated current (Ex e II) with jumper	20 A

Connection data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	1 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0

Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Ferrule	Page 602
Insulation stop	Page 536
Jumper	Page 512
Marking	Page 554, 555
Protective warning marker	Page 537
Push-in type wire jumper	Page 524
Test and measurement	Page 534, 535
Tool	Page 590

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

Mini Rail-Mount Terminal Blocks ▸ TOPJOB® S ▸ 2052 Series
Operating tool ▸ 2.5 mm² ▸ Width: 5.2 mm

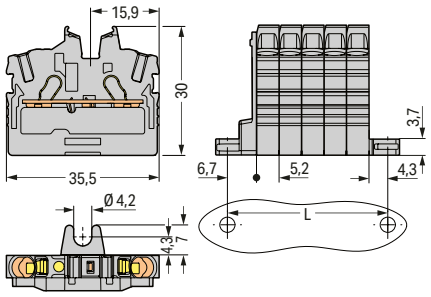
Mounting flange

2052-301

Through terminal block

Color	Item No.	PU
gray	2052-301	100
blue	2052-304	100
orange	2052-302	100
red	2052-303	100
black	2052-305	100
yellow	2052-306	100
brown	2052-301/000-014	100
green-yellow	2052-307	100

Modular Terminal Blocks and Terminal Strips with Mounting Flanges
L = (Pole no. x 5,2 mm) + 4,3 mm + 6,7 mm



Item-Specific Accessories

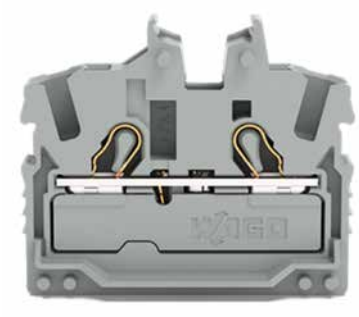
End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-381	100 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

without snap-in mounting feet

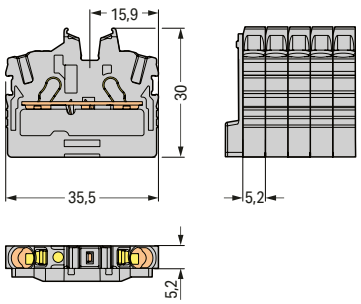


2052-321

Through terminal block

Color	Item No.	PU
gray	2052-321	100
blue	2052-324	100
orange	2052-322	100
red	2052-323	100
black	2052-325	100
yellow	2052-326	100
brown	2052-321/000-014	100
green-yellow	2052-327	100

Modular Terminal Blocks and Terminal Strips without Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 1.3 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-381	100 (25)

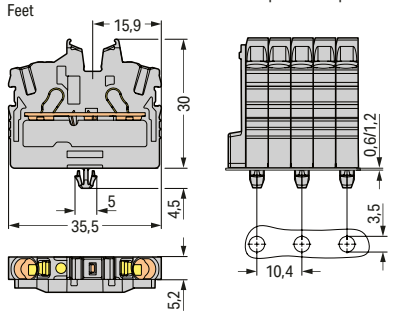
Snap-in foot

2052-311

Through terminal block

Color	Item No.	PU
gray	2052-311	100
blue	2052-314	100
orange	2052-312	100
red	2052-313	100
black	2052-315	100
yellow	2052-316	100
brown	2052-311/000-014	100
green-yellow	2052-317	100

Modular Terminal Blocks and Terminal Strips with Snap-in Mounting Feet



Item-Specific Accessories

End plate; Width: 3.4 mm; snap-on type

Color	Item No.	PU (SPU)
gray	2052-391	100 (25)

Mounting foot; Width: 6.4 mm; DIN-35 rail

Color	Item No.	PU (SPU)
gray	209-120	500 (25)

Mounting adapter; Width: 6.5 mm; DIN-35 rail

Color	Item No.	PU
gray	209-137	25

Accessories; for all products on this page

Continuous jumper; light gray

Jumper assignment	Item No.	PU
1-2	2002-400	25
1-2-3	2002-413	25
1-2-3-4-5	2002-415	25
1-3	2002-423	25
1-4	2002-424	25

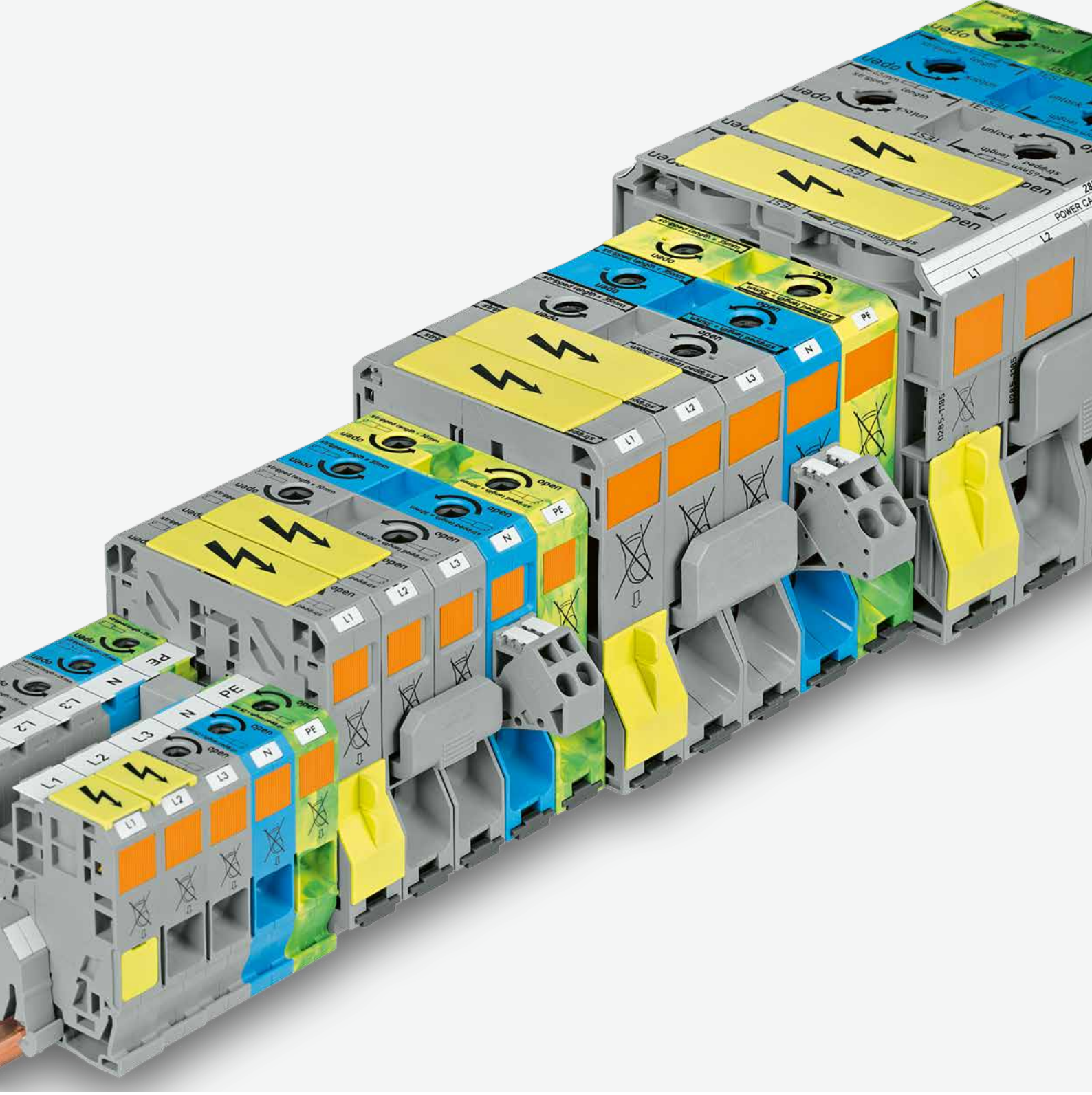
Push-in type jumper bar; light gray

Jumper assignment	Item No.	PU
1-2	2002-402	25
1-2-3	2002-403	25
1-2-3-4-5-6-7-8-9-10	2002-410	25
1-3	2002-433	25
1-4	2002-434	25
1-10	2002-440	25

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit



WAGO High-Current Rail-Mount Terminal Blocks

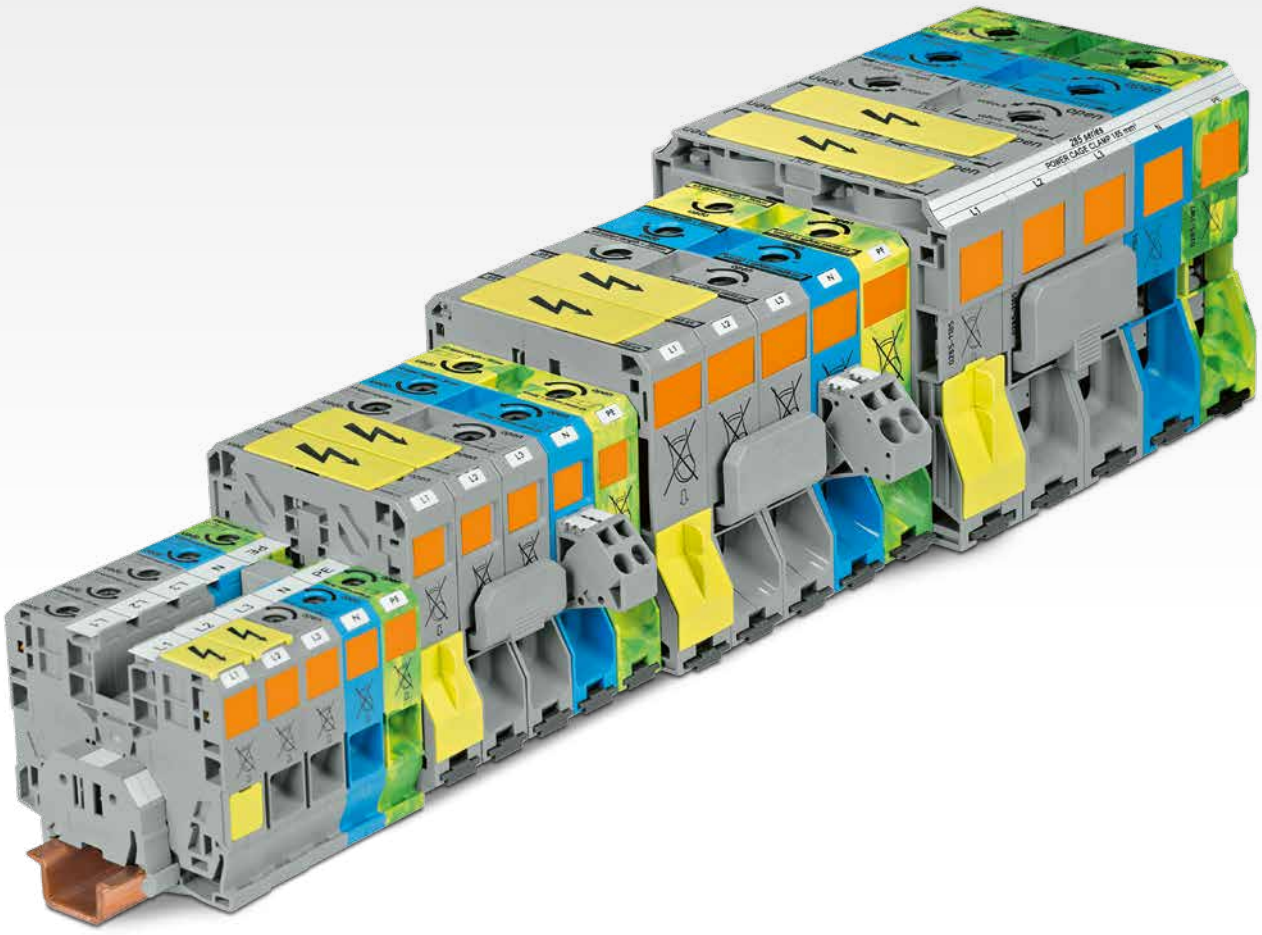
WAGO High-Current Rail-Mount Terminal Blocks

			Page
	Through Terminal Blocks and Ground Conductor Terminal Blocks 6 … 35 mm² (10 … 2 AWG)	285 Series	486
	Through Terminal Blocks and Ground Conductor Terminal Blocks 10 … 50 (70) mm² (8 … 1/0 AWG)	285 Series	490
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Mounting Flanges 10 … 50 (70) mm² (8 … 1/0 AWG)	285 Series	492
	Through Terminal Blocks and Ground Conductor Terminal Blocks 25 … 95 mm² (4 … 4/0 AWG)	285 Series	494
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Mounting Flanges 25 … 95 mm² (4 … 4/0 AWG)	285 Series	496
	Through Terminal Blocks and Ground Conductor Terminal Blocks 50 … 185 mm² (1/0 AWG … 350 kcmil)	285 Series	500
	Through Terminal Blocks and Ground Conductor Terminal Blocks ▸ with Mounting Flanges 50 … 185 mm² (1/0 AWG … 350 kcmil)	285 Series	502

5

High-Current Rail-Mount Terminal

POWER CAGE CLAMP 35 to 185 mm² (350 kcmil)



5

For DIN-Rail Mounting

WAGO's high-current, rail-mount terminal blocks are available in four sizes for the connection range 6 to 185 mm²; (16 AWG – 350 kcmil). Smaller cross sections for supplying control cabinet lighting or other applications can be connected with power taps.

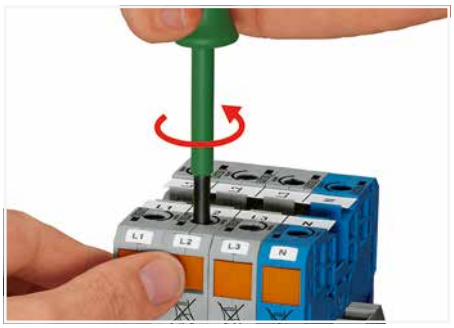
- Easy to use: Even conductors that are difficult to bend can be easily connected, since the locking tab keeps the clamp open for hands-free wiring
- Fast termination: No time-consuming preparation – no ring terminals or ferrules required
- Always reliable: Perfect clamping force – independent of operator skill

Direct Installation with Mounting Flange

WAGO's high-current, rail-mount terminal blocks with rated cross sections of 50, 95 and 185 mm² (2/0, 4/0 AWG and 350 kcmil) are also available with flanges for direct installation on a mounting plate.

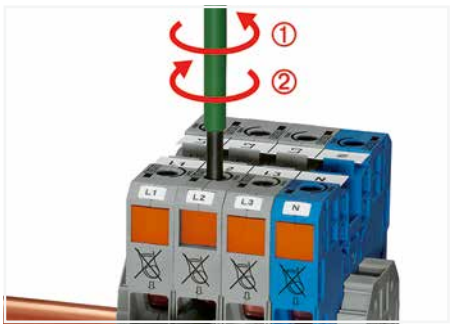
- No DIN-rail required: Mount directly onto a plate via flanges
- Align and snap the high-current terminal blocks together via block-to-block connectors
- Version for functional ground in a gray-yellow housing – no contact with mounting frame
- A myriad of accessories: Models with screw flanges share the same accessories with the rail-mount terminal blocks

High-Current Rail-Mount Terminal Blocks; 35 mm²
285 Series
Description and Installation



Conductor termination – step 1:
Rotate the operating tool (5.5 mm blade width) counter-clockwise. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.

Conductor termination – step 2:
Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3:
A short counter-clockwise rotation closes the clamp, securing the conductor ①.
When unlocked, allow operating tool to rotate clockwise ② to securely terminate the conductor.

The power tap is inserted into the jumper contact slot. It can be fitted with a strain relief plate.

Testing
Voltage measurements can be performed (e.g., via 2-pole Item no. 206-707 Voltage Tester).

Testing with test plug adapter (Item no. 283-404).

High-current rail-mount terminal blocks, 35 mm² (2 AWG) and 50 mm² (2/0 AWG)

Commoning adjacent terminal blocks using a centrally positioned push-in jumper.

Slide the marking strip laterally to remove the jumper.

Commoning 35 mm² (2 AWG) POWER CAGE CLAMP Terminal Blocks with 10/16 mm² (8/6 AWG) 2010 and 2016 Series Terminal Blocks TOPJOP® S using step-down jumpers (not valid for Item no. 2016-76xx and 2016-77xx).

Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using adjacent jumpers.

In this case, pay attention that:
The total current of the outgoing circuits does not exceed the nominal current of the step-down jumper.

Side-entry wiring means that even larger conductors, which have limited flexibility, can be easily connected.

WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.

Marker carrier (Item no. 285-442) for marking strip (Item no. 2009-110) or 2 x WMB markers

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
35 mm² ▸ DIN-rail 35 x 15

Electrical data									
Main product function	Through terminal block			Through terminal block			Three-phase set		
Color	gray; blue; dark gray/ yellow			light gray			gray/blue/green-yellow		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	-	-	-	1000 V	-	-
Rated surge voltage	8 kV	-	-	-	-	-	8 kV	-	-
Rated current	125 A	-	-	-	-	-	-	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-	600 V	600 V	-
Rated current	115 A	115 A	-	115 A	115 A	-	115 A	115 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	-	600 V	600 V	600 V	-
Rated current	115 A	-	-	115 A	-	115 A	115 A	-	-

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	25 mm / 0.98 inches
Connectable conductor materials	Copper
Nominal cross-section	35 mm²
Fine-stranded conductor; with insulated ferrule	6 … 35 mm² / 8 … 2 AWG
Fine-stranded conductor; with uninsulated ferrule	6 … 35 mm² / 8 … 2 AWG
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 605
Jumper	Page 487
Marking	Page 554

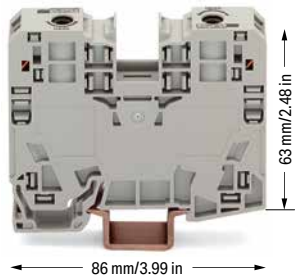
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
35 mm² ▸ DIN-rail 35 x 15

Width: 16 mm ▸ Clamping units: 2



285-135

Through terminal block		
Color	Item No.	PU
gray	285-135	15
blue	285-134	15
light gray	285-935	15
dark gray/yellow	285-131	15

Ground terminal block ▸ Color green-yellow		
Color	Item No.	PU
green-yellow	285-137/999-950	15
green-yellow	285-137	15

Width: 80 mm ▸ Clamping units: 10

285-139

Three-phase set ▸ Color gray/blue/green-yellow		
Color	Item No.	PU
gray/blue/green-yellow	285-139	1

Accessories; for all products on this page

Operating tool; 1 -times

Color	Item No.	PU (SPU)
multi-colored	210-721	25 (1)

Test plug adapter; 11.6 mm wide; for 4 mm Ø test plugs; gray

Color	Item No.	PU
gray	283-404	25

Power tap; 0.2 … 6 mm² / 24 … 10 AWG; gray

Module width	Item No.	PU
8 mm	285-427	5

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU (SPU)
gray	249-117	50 (25)

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-420	100 (25)

Step-down jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-430	50 (25)

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU
gray	249-197	10

Finger guard

Color	Item No.	PU (SPU)
yellow	285-421	100 (25)

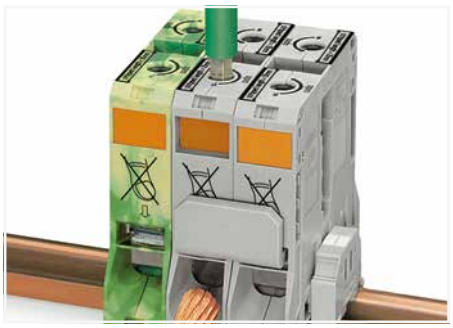
Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-435	50 (25)

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks; 50 … 185 mm²
285 Series
Description and Installation

Conductor termination – step 1:
Rotate the T-wrench counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2:
Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.

Conductor termination – step 3:
A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

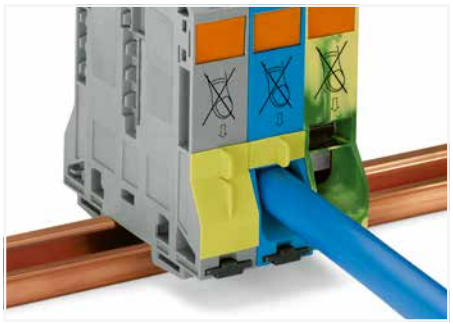
For the optimal clamping force:
- Bend conductor.
- Cut conductor to length (conductor end must be straight).
- Stripping a conductor.

Always observe the printed strip length!

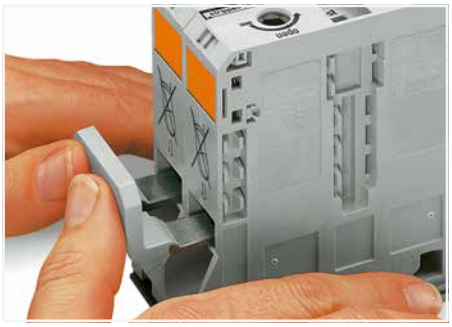
Grounding foot:
Ground conductor terminal blocks (limited to max. 120 mm²/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper DIN-rail.

Protective warning marker may indicate::
Notice: Power is still on even after switching off the main switch!

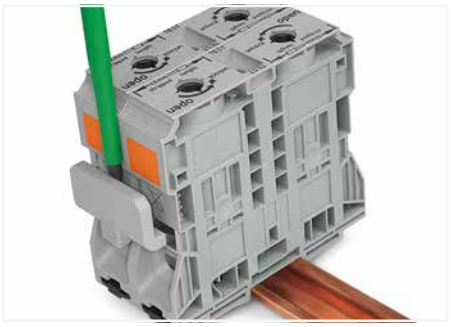
Risk of injury!
Do not insert fingers in the conductor entry!



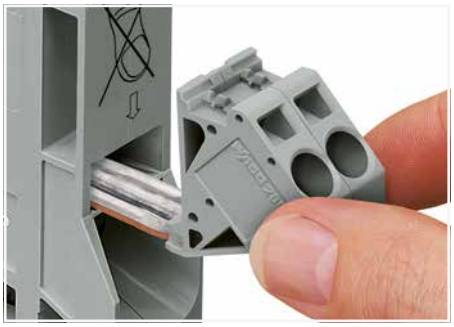
Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.



Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.

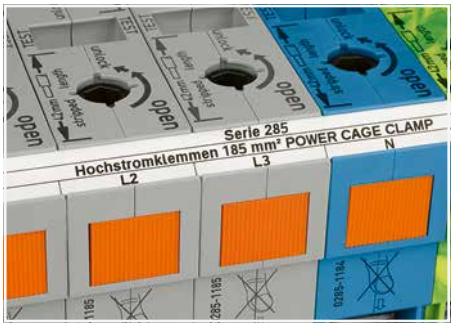


Reliably and easily tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).

Testing
Voltage measurements can be performed (e.g., via 2-pole Item no. 206-707 Voltage Tester).

WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.

5

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
50 mm² ▸ DIN-rail 35 x 15

Electrical data						
Main product function	Through terminal block; Three-phase set			Through terminal block		
Color	gray; blue; dark gray/yellow; gray/blue/green-yellow			light gray		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	-	-	-
Rated surge voltage	8 kV	-	-	-	-	-
Rated current	150 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	150 A	150 A	-	150 A	150 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	-	600 V
Rated current	150 A	-	-	150 A	-	150 A
Connection data						
Connection technology	POWER CAGE CLAMP					
Strip length	30 mm / 1.18 inches					
Connectable conductor materials	Copper					
Nominal cross-section	50 mm²					
Solid conductor	10 … 50 mm² / 8 … 1/0 AWG					
Fine-stranded conductor	10 … 70 mm² / 8 … 2/0 AWG					
Fine-stranded conductor; with insulated ferrule	10 … 50 mm² / 8 … 1/0 AWG					
Fine-stranded conductor; with uninsulated ferrule	10 … 50 mm² / 8 … 1/0 AWG					
Material data						
Material group	I					
Insulation material (main housing)	Polyamide (PA66)					
Flammability class per UL94	V0					
Environmental requirements						
Processing temperature	-35 … +85 °C					
Continuous operating temperature	-60 … +105 °C					

DIN-rail	Page 582
Ferrule	Page 605
Marking	Page 554

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
50 mm² ▸ DIN-rail 35 x 15

Width: 20 mm ▸ Clamping units: 2

285-150

Through terminal block		
Color	Item No.	PU (SPU)
gray	285-150	5
blue	285-154	5
light gray	285-950	5 (1)
dark gray/yellow	285-151	5

Ground terminal block ▸ Color green-yellow		
Color	Item No.	PU
green-yellow	285-157/999-950	5
green-yellow	285-157	5

Width: 100 mm ▸ Clamping units: 10

285-159

Three-phase set ▸ Color gray/blue/green-yellow		
Color	Item No.	PU
gray/blue/green-yellow	285-159	1

Accessories; for all products on this page

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU
gray	249-197	10

Operating tool;

	Item No.	PU (SPU)
	285-172	25 (1)
	285-173	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-440	50 (25)

Finger guard

Color	Item No.	PU (SPU)
yellow	285-441	100 (25)

Power tap; 0.2 … 6 mm² / 24 … 10 AWG; gray

Module width	Item No.	PU
16 mm	285-447	5

Fixing element

Color	Item No.	PU (SPU)
orange	285-448	50 (25)

Protective warning marker; yellow

Color	Item No.	PU
yellow	285-449	25

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-450	100 (25)

Current and voltage tap

	Item No.	PU
	855-501/150-000	1

PU = packaging unit; SPU = subpackaging unit

5

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
50 mm² ▸ Panel mounting ▸ Mounting flange

Electrical data			
Ratings per	**IEC/EN 60947-7-1**		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	150 A	-	-
Approvals per	**UL 1059**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	150 A	150 A	-
Approvals per	**CSA 22.2 No 158**		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	150 A	-	-

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	30 mm / 1.18 inches
Connectable conductor materials	Copper
Nominal cross-section	50 mm²
Solid conductor	10 … 50 mm² / 8 … 1/0 AWG
Fine-stranded conductor	10 … 70 mm² / 8 … 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 … 50 mm² / 8 … 1/0 AWG
Fine-stranded conductor; with uninsulated ferrule	10 … 50 mm² / 8 … 1/0 AWG
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Ferrule	Page 605
Marking	Page 554

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
50 mm² ▸ Panel mounting ▸ Mounting flange

Width: 20 mm ▸ Clamping units: 2

285-141

Through terminal block

Color	Item No.	PU
gray	285-141	5
blue	285-144	5
light gray	285-143	5
dark gray/yellow	285-147	5
dark gray/yellow	285-147/999-950	5

Width: 100 mm ▸ Clamping units: 10

285-148

Three-phase set ▸ Color multi-colored

Color	Item No.	PU
multi-colored	285-148	1

Accessories; for all products on this page

Operating tool;

Item No.	PU (SPU)
285-172	25 (1)
285-173	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-440	50 (25)

Finger guard

Color	Item No.	PU (SPU)
yellow	285-441	100 (25)

Power tap; 0.2 … 6 mm² / 24 … 10 AWG; gray

Module width	Item No.	PU
16 mm	285-447	5

Fixing element

Color	Item No.	PU (SPU)
orange	285-448	50 (25)

Protective warning marker; yellow

Color	Item No.	PU
yellow	285-449	25

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-450	100 (25)

Current and voltage tap

Item No.	PU
855-501/150-000	1

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
95 mm² ▸ DIN-rail 35 x 15

Electrical data									
Main product function	Through terminal block			Through terminal block			Three-phase set		
Color	gray; blue; dark gray/ yellow			light gray			gray/blue/green-yellow		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	-	-	-	1000 V	-	-
Rated surge voltage	12 kV	-	-	-	-	-	12 kV	-	-
Rated current	232 A	-	-	-	-	-	232 A	-	-
Approvals per	UL 1059			UL 1059			UL 1059		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-	600 V	600 V	-
Rated current	200 A	200 A	-	200 A	200 A	-	200 A	200 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D	B	C	D
Rated voltage	1000 V	1000 V	-	600 V	-	600 V	-	1000 V	-
Rated current	210 A	-	-	210 A	-	210 A			

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	35 mm / 1.38 inches
Connectable conductor materials	Copper
Nominal cross-section	95 mm²
Stranded conductor	25 … 95 mm² / 4 … 4/0 AWG
Fine-stranded conductor; with insulated ferrule	25 … 95 mm² / 4 … 4/0 AWG
Fine-stranded conductor; with uninsulated ferrule	25 … 95 mm² / 4 … 4/0 AWG
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail	Page 582
Ferrule	Page 605
Marking	Page 554

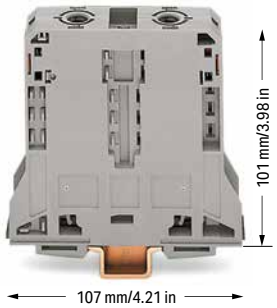
For general Ex information, see technical section; for electrical data, see www.wago.com, "Certificates" tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
95 mm² ▸ DIN-rail 35 x 15

Width: 25 mm ▸ Clamping units: 2



285-195

Through terminal block		
Color	Item No.	PU
gray	285-195	5
blue	285-194	5
light gray	285-995	5
dark gray/yellow	285-191	5

Ground terminal block ▸ Color green-yellow		
Color	Item No.	PU
green-yellow	285-197	5
green-yellow	285-197/999-950	5

Width: 125 mm ▸ Clamping units: 10

285-199

Three-phase set ▸ Color gray/blue/green-yellow		
Color	Item No.	PU
gray/blue/green-yellow	285-199	1

5

Accessories; for all products on this page

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU
gray	249-197	10

Fixing element

Color	Item No.	PU (SPU)
orange	285-168	50 (25)

Finger guard

Color	Item No.	PU
yellow	285-169	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-170	50 (25)

Operating tool;

	Item No.	PU (SPU)
	285-172	25 (1)
	285-173	25

Protective warning marker

Color	Item No.	PU
yellow	285-175	25

Power tap; 0.2 … 16 mm² / 24 … 6 AWG; gray

Module width	Item No.	PU
20 mm	285-407	5

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-495	100 (25)

Current and voltage tap

	Item No.	PU
	855-951/250-000	1

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
95 mm² ▸ Panel mounting ▸ Mounting flange

Electrical data						
Main product function	Through terminal block			Three-phase set		
Color	gray; blue; dark gray/yellow			multi-colored		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	1000 V	-	-
Rated surge voltage	12 kV	-	-	12 kV	-	-
Rated current	232 A	-	-	232 A	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	200 A	200 A	-	200 A	200 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	1000 V	1000 V	-	-	1000 V	-
Rated current	210 A	-	-			
Connection data						
Connection technology	POWER CAGE CLAMP					
Strip length	35 mm / 1.38 inches					
Connectable conductor materials	Copper					
Nominal cross-section	95 mm²					
Stranded conductor	25 … 95 mm² / 4 … 4/0 AWG					
Fine-stranded conductor; with insulated ferrule	25 … 95 mm² / 4 … 4/0 AWG					
Fine-stranded conductor; with uninsulated ferrule	25 … 95 mm² / 4 … 4/0 AWG					
Material data						
Material group	I					
Insulation material (main housing)	Polyamide (PA66)					
Flammability class per UL94	V0					
Environmental requirements						
Processing temperature	-35 … +85 °C					
Continuous operating temperature	-60 … +105 °C					

5

Ferrule Page 605

Marking Page 554

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
95 mm² ▸ Panel mounting ▸ Mounting flange

Width: 25 mm ▸ Clamping units: 2

285-181

Through terminal block

Color	Item No.	PU
gray	285-181	5
blue	285-184	5
light gray	285-183	5
dark gray/yellow	285-187/999-950	5
dark gray/yellow	285-187	5

Width: 125 mm ▸ Clamping units: 10

285-188

Three-phase set ▸ Color multi-colored

Color	Item No.	PU
multi-colored	285-188	1

5

Accessories; for all products on this page

Fixing element

Color	Item No.	PU (SPU)
orange	285-168	50 (25)

Finger guard

Color	Item No.	PU
yellow	285-169	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-170	50 (25)

Operating tool;

	Item No.	PU (SPU)
	285-172	25 (1)
	285-173	25

Protective warning marker

Color	Item No.	PU
yellow	285-175	25

Power tap; 0.2 … 16 mm² / 24 … 6 AWG; gray

Module width	Item No.	PU
20 mm	285-407	5

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-495	100 (25)

Current and voltage tap

	Item No.	PU
	855-951/250-000	1

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
120 mm² ▸ DIN-rail 35 x 15 ▸ Width: 32 mm ▸ Clamping units: 2

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	45 … 47 mm / 1.77 … 1.85 inches
Connectable conductor materials	Copper
Nominal cross-section	120 mm² / 250 kcmil
Stranded conductor	50 … 120 mm² / 1/0 AWG … 250 kcmil
Fine-stranded conductor	50 … 120 mm² / 1/0 AWG … 250 kcmil
Fine-stranded conductor; with insulated ferrule	50 … 120 mm² / 1/0 AWG … 250 kcmil
Fine-stranded conductor; with uninsulated ferrule	50 … 120 mm² / 1/0 AWG … 250 kcmil
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

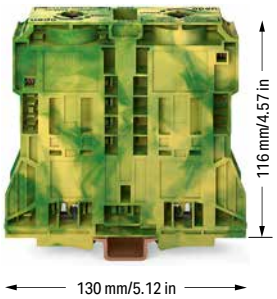
5

DIN-rail Page 582
Marking Page 554

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
120 mm² ▸ DIN-rail 35 x 15 ▸ Width: 32 mm ▸ Clamping units: 2



285-1187

Ground terminal block ▸ Color green-yellow

Color	Item No.	PU
green-yellow	285-1187	5
green-yellow	285-1187/999-950	5

Accessories; for all products on this page

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU
gray	249-197	10

Operating tool;

	Item No.	PU (SPU)
	285-172	25 (1)
	285-173	25

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-1171	25 (5)

Power tap; 0.2 … 10 mm² / 24 … 8 AWG; gray

Module width	Item No.	PU
20 mm	285-1175	5

Protective warning marker; yellow

Color	Item No.	PU
yellow	285-1176	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-1177	50 (25)

Finger guard

Color	Item No.	PU (SPU)
yellow	285-1178	50 (25)

Fixing element

Color	Item No.	PU (SPU)
orange	285-1179	50 (25)

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
185 mm² ▸ DIN-rail 35 x 15

Electrical data						
Main product function	Through terminal block; Three-phase set			Through terminal block		
Color	gray; blue; dark gray/yellow; gray/blue/green-yellow			light gray		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	-	-	-
Rated surge voltage	12 kV	-	-	-	-	-
Rated current	353 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	310 A	310 A	-	310 A	310 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	1000 V	1000 V	-	1000 V	-	1000 V
Rated current	310 A	-	-	310 A	-	310 A

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	45 … 47 mm / 1.77 … 1.85 inches
Connectable conductor materials	Copper
Nominal cross-section	185 mm² / 350 kcmil
Solid conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Stranded conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Fine-stranded conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Fine-stranded conductor; with uninsulated ferrule	50 … 185 mm² / 1/0 AWG … 350 kcmil
Material data	
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

DIN-rail Page 582

Marking Page 554

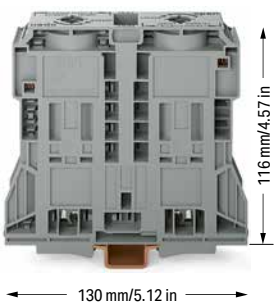
For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
185 mm² ▸ DIN-rail 35 x 15

Width: 32 mm ▸ Clamping units: 2



285-1185

Through terminal block

Color	Item No.	PU
gray	285-1185	5
blue	285-1184	5
light gray	285-1189	5
dark gray/yellow	285-1181	5

Width: 160 mm ▸ Clamping units: 10

285-1169

Three-phase set ▸ Color gray/blue/green-yellow

Color	Item No.	PU
gray/blue/green-yellow	285-1169	1

5

Accessories; for all products on this page

Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Color	Item No.	PU
gray	249-197	10

Operating tool;

Item No.	PU (SPU)
285-172	25 (1)
285-173	25

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-1171	25 (5)

Power tap; 0.2 … 10 mm² / 24 … 8 AWG; gray

Module width	Item No.	PU
20 mm	285-1175	5

Protective warning marker; yellow

Color	Item No.	PU
yellow	285-1176	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-1177	50 (25)

Finger guard

Color	Item No.	PU (SPU)
yellow	285-1178	50 (25)

Fixing element

Color	Item No.	PU (SPU)
orange	285-1179	50 (25)

Current and voltage tap

Item No.	PU
855-1851/350-000	1

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
185 mm² ▸ Panel mounting ▸ Mounting flange

Electrical data						
Main product function	Through terminal block; Three-phase set			Through terminal block		
Color	gray; blue; dark gray/yellow; multi-colored			light gray; dark gray/yellow		
Ratings per	IEC/EN 60947-7-1			IEC/EN 60947-7-1		
Overvoltage category	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2
Nominal voltage	1000 V	-	-	-	-	-
Rated surge voltage	12 kV	-	-	-	-	-
Rated current	353 A	-	-	-	-	-
Approvals per	UL 1059			UL 1059		
Use group	B	C	D	B	C	D
Rated voltage	600 V	600 V	-	600 V	600 V	-
Rated current	310 A	310 A	-	310 A	310 A	-
Approvals per	CSA 22.2 No 158			CSA 22.2 No 158		
Use group	B	C	D	B	C	D
Rated voltage	1000 V	1000 V	-	1000 V	-	1000 V
Rated current	310 A	-	-	310 A	-	310 A

Connection data	
Connection technology	POWER CAGE CLAMP
Strip length	45 … 47 mm / 1.77 … 1.85 inches
Connectable conductor materials	Copper
Nominal cross-section	185 mm² / 350 kcmil
Solid conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Stranded conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Fine-stranded conductor	50 … 185 mm² / 1/0 AWG … 350 kcmil
Fine-stranded conductor; with insulated ferrule	50 … 150 mm² / 1/0 AWG … 300 kcmil
Fine-stranded conductor; with uninsulated ferrule	50 … 185 mm² / 1/0 AWG … 350 kcmil
Material data	
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Environmental requirements	
Processing temperature	-35 … +85 °C
Continuous operating temperature	-60 … +105 °C

Marking Page 554

For general Ex information, see technical section; for electrical data, see www.wago.com, “Certificates” tab on product

See technical section for further information

Approvals and corresponding ratings, visit www.wago.com

High-Current Rail-Mount Terminal Blocks ▸ 285 Series
185 mm² ▸ Panel mounting ▸ Mounting flange

Width: 32 mm ▸ Clamping units: 2

285-1161

Through terminal block

Color	Item No.	PU
gray	285-1161	4
blue	285-1164	4
light gray	285-1163	4
dark gray/yellow	285-1167	4
dark gray/yellow	285-1167/999-950	4

Width: 128 mm ▸ Clamping units: 10

285-1165

Three-phase set ▸ Color multi-colored

Color	Item No.	PU
multi-colored	285-1165	1

5

Accessories; for all products on this page

Operating tool;

Item No.	PU (SPU)
285-172	25 (1)
285-173	25

Adjacent jumper; gray

Jumper assignment	Item No.	PU (SPU)
1-2	285-1171	25 (5)

Power tap; 0.2 … 10 mm² / 24 … 8 AWG; gray

Module width	Item No.	PU
20 mm	285-1175	5

Protective warning marker; yellow

Color	Item No.	PU
yellow	285-1176	25

Protective warning marker; with high-voltage symbol, black; yellow

Color	Item No.	PU (SPU)
yellow	285-1177	50 (25)

Finger guard

Color	Item No.	PU (SPU)
yellow	285-1178	50 (25)

Fixing element

Color	Item No.	PU (SPU)
orange	285-1179	50 (25)

Current and voltage tap

	Item No.	PU
	855-1851/350-000	1

Marking strip; plain; Width: 11 mm

Color	Item No.	PU
white	2009-110	1

PU = packaging unit; SPU = subpackaging unit

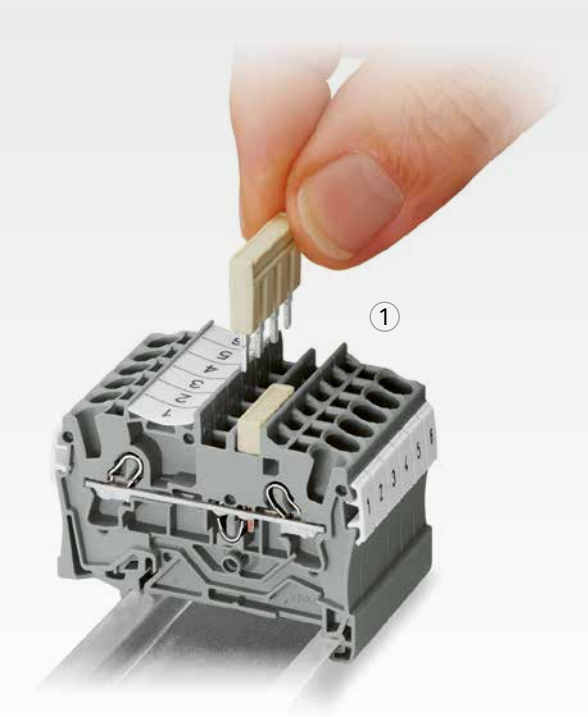
WAGO Accessories and WAGO Tools

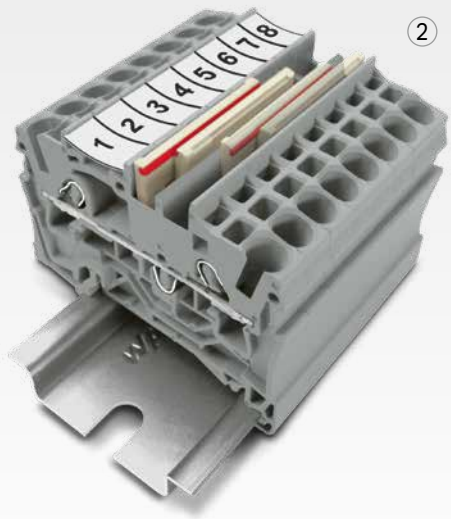
WAGO Accessories and WAGO Tools

			Page
	Jumper	2000 … 2016 Series	508
	Connector	2000 … 2016 Series	529
	Testing Accessories	2002 … 2019 Series	534
	Insulation Stop	2001 … 2004 Series	536
	Cover	2000 … 2016 Series	537
	Disconnect Plug for Carrier Terminal Block	2002 … 2006 Series	538
	Lockout Cap	2002 … 2006 Series	539
	Smart Printer		546
	Marking Systems		554
	Shield Clamping Saddles	790 Series	568
	Spring-Equipped Shield Clamping Saddles		570
	Busbar Carriers		573
	DIN-Rails, Collective Jumper Carriers and Rail-Mount Terminal Block Covers		582
	End Stops for DIN-35 and DIN-15 Rails		584
	Operating tools		590
	Screwdriver		592
	Cable Strippers		594
	Crimping Tools for Ferrules		598
	Cable Cutter		606
	Test and Measurement Devices		607

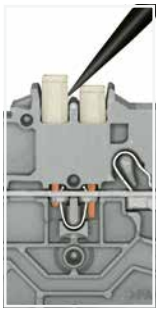
Range of Jumpers

For every commoning task





① Push-In Type Jumper Bars

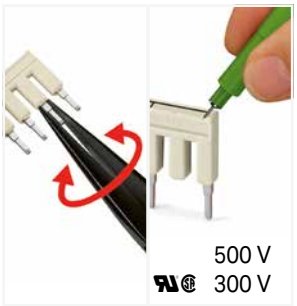


- Simply insert push-in type jumper bars into one of the center jumper slots.
- Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
- Place the operating tool in the center of jumpers for up to five contacts, or alternately on both sides for jumpers with more than five contacts.

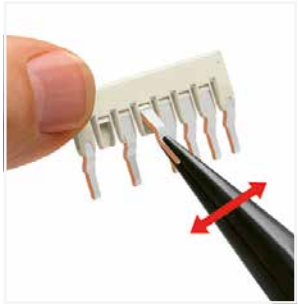
② Staggered Jumpers

- Staggered jumpers allow 2002 and 2003 Series terminal blocks to accommodate two potentials in a single jumper slot alongside each other.
- Dual jumper slots allow four different potentials to be accommodated along side each other.
- Make sure that only one contact lug is inserted per contact.
- Insert the staggered jumpers so that the red lines of both jumpers are facing each other.

Standard jumpers offered by WAGO

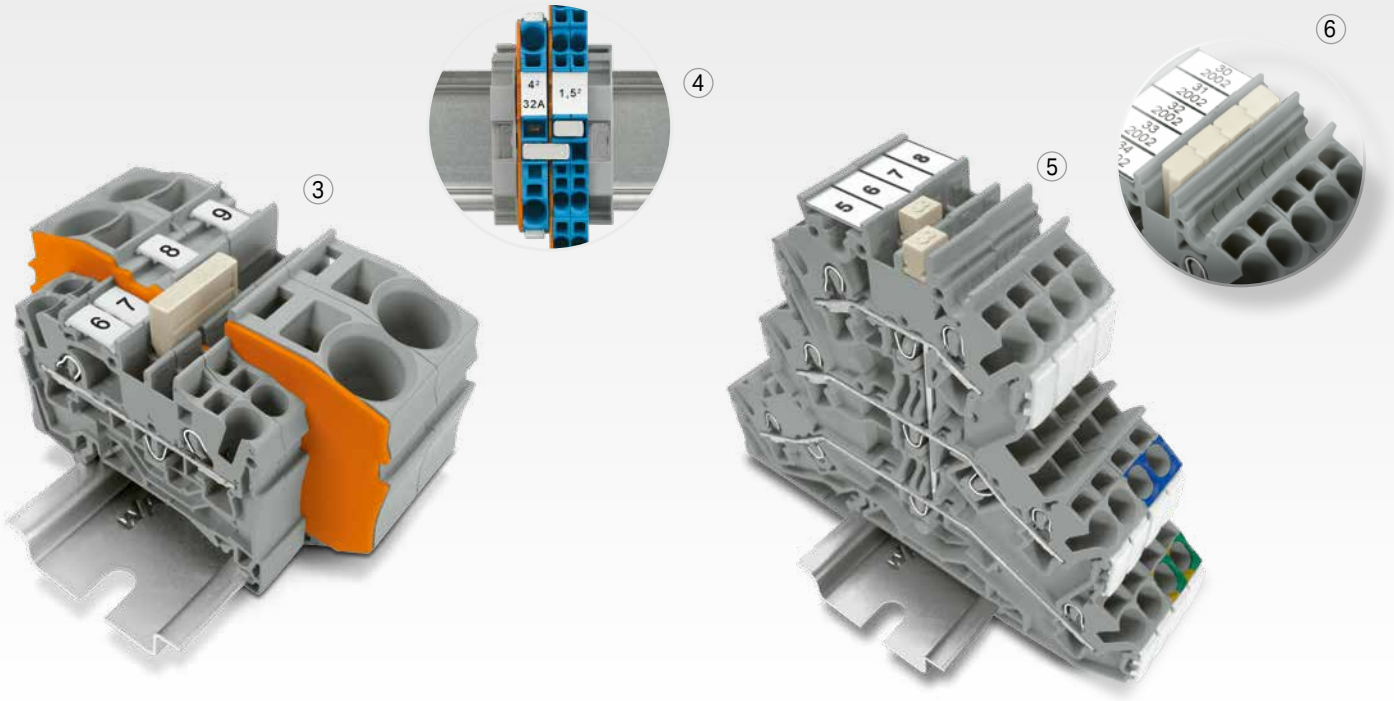


Custom push-in type jumper bars are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Custom staggered jumpers are created by breaking off jumper contacts.

Note
Please note that:
The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.



③ Commoning with Step-Down Jumpers

- Item No. 2016-499 Step-Down Jumpers common 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).
- Item No. 2006-499 Step-Down Jumpers common 6/4 mm² (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).
- An end plate must be inserted between the terminal blocks to be commoned.

④ Commoning with Push-In Type Jumper Bars

- Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm²/6 AWG (2016 Series) and 10 mm²/8 AWG (2010 Series), e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 10 mm²/8 AWG (2010 Series) to 4 mm²/12 AWG (2004 Series).
- One cross-section size can be jumpered over when commoning 6 mm²/4 mm²/2.5 mm² (10/12/14 AWG) terminal blocks (2006/2004/2002 Series): from 6 mm²/10 AWG (2006 Series) to 4 mm²/12 AWG (2004 Series)
- Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 6 mm²/10 AWG (2006 Series) to 2.5 mm²/14 AWG (2002 Series).

⑤ Vertical Jumpers

- Created for double- and triple-deck Terminal Blocks TOPJOB® S, the vertical jumpers can common two or three levels.

⑥ Adjacent Jumpers for Continuous Commoning

- Any number of 2002 Series Terminal Blocks can be commoned without a push-in type jumper bar (2- to 10-way).
- These jumpers are ideal for electric motor wiring or 4-conductor, double-deck rail-mount terminal blocks that only have one jumper slot per level. Connection is made by inserting each contact of two adjacent jumpers in a single slot.

Push-In Type Jumper Bar ▸ TOPJOB® S ▸ 2000 Series

Suitable: for 2000, 2020, 2050, 2200 and 2250 Series Rail-Mount Terminal Blocks or 3.5 mm Terminal Block Width

2000-404

light gray		
Jumper assignment	Item No.	PU
○ 1-2	2000-402	25
○ 1-2-3	2000-403	25
○ 1-2-3-4	2000-404	25
○ 1-2-3-4-5	2000-405	25
○ 1-2-3-4-5-6	2000-406	25
○ 1-2-3-4-5-6-7	2000-407	25
○ 1-2-3-4-5-6-7-8	2000-408	25
○ 1-2-3-4-5-6-7-8-9	2000-409	25
○ 1-2-3-4-5-6-7-8-9-10	2000-410	25

red		
Jumper assignment	Item No.	PU
1-2	2000-402/000-005	25
1-2-3	2000-403/000-005	25
1-2-3-4	2000-404/000-005	25
1-2-3-4-5	2000-405/000-005	25
1-2-3-4-5-6	2000-406/000-005	25
1-2-3-4-5-6-7	2000-407/000-005	25
1-2-3-4-5-6-7-8	2000-408/000-005	25
1-2-3-4-5-6-7-8-9	2000-409/000-005	25
1-2-3-4-5-6-7-8-9-10	2000-410/000-005	25

blue		
Jumper assignment	Item No.	PU
1-2	2000-402/000-006	25
1-2-3	2000-403/000-006	25
1-2-3-4	2000-404/000-006	25
1-2-3-4-5	2000-405/000-006	25
1-2-3-4-5-6	2000-406/000-006	25
1-2-3-4-5-6-7	2000-407/000-006	25
1-2-3-4-5-6-7-8	2000-408/000-006	25
1-2-3-4-5-6-7-8-9	2000-409/000-006	25
1-2-3-4-5-6-7-8-9-10	2000-410/000-006	25

yellow-green		
Jumper assignment	Item No.	PU
1-2	2000-402/000-018	25

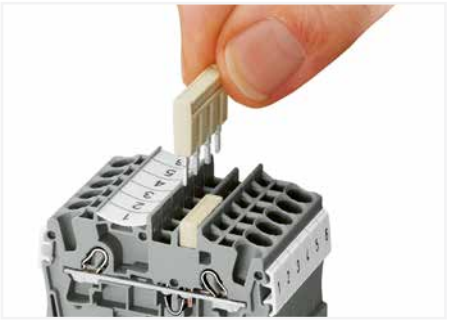
2000-434

light gray		
Jumper assignment	Item No.	PU
○ 1-3	2000-433	25
○ 1-4	2000-434	25
○ 1-5	2000-435	25
○ 1-6	2000-436	25
○ 1-7	2000-437	25
○ 1-8	2000-438	25
○ 1-9	2000-439	25
○ 1-10	2000-440	25

red		
Jumper assignment	Item No.	PU
1-3	2000-432/000-005	25

blue		
Jumper assignment	Item No.	PU
1-3	2000-432/000-006	25

Electrical Data	
Rated voltage (III / 3)	800 V
Rated current	13.54 A
Rated current (Ex e II)	12 A



Insert a push-in type jumper bar and push down until it hits the backstop.

Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

For example, colored push-in type jumper bars are used with sensor terminal blocks.

PU = packaging unit; SPU = subpackaging unit

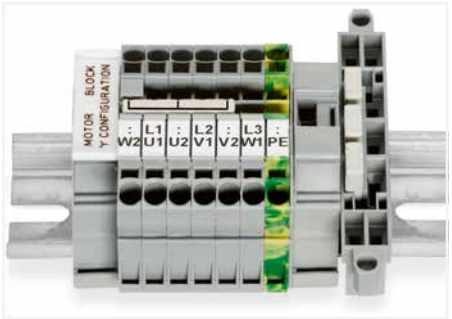
Jumper ▸ TOPJOB® S ▸ 2000 Series

Rated voltage (III / 3): 800 V ▸ Rated current: 13.5 A

2000-405/011-000

Star point jumper; light gray; for 2000, 2020, 2050, 2200 and 2250 Series Rail-Mount Terminal Blocks or 3.5 mm terminal block width

Jumper assignment	Item No.	PU
◯ 1-3-5	2000-405/011-000	25



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.

Rated voltage (III / 3): 800 V ▸ Rated current: 13.5 A

2000-406/020-000

Delta jumper; light gray; for 2000, 2020, 2050, 2200 and 2250 Series Rail-Mount Terminal Blocks or 3.5 mm terminal block width

Jumper assignment	Item No.	PU
◯ 1-2 3-4 5-6	2000-406/020-000	25

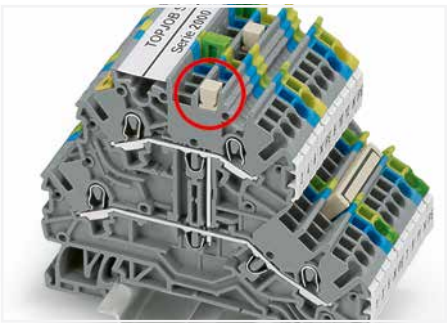
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.

Rated voltage (III / 3): 500 V ▸ Rated current: 13.5 A

2000-492

Vertical jumper; for 2000, 2020 and 2200 Series Double-Deck Terminal Blocks

Color	Item No.	PU
◯ light gray	2000-492	100 (25)



Commoning two levels via double-deck vertical jumper (Item No. 2000-492).

6

PU = packaging unit; SPU = subpackaging unit

Push-In Type Jumper Bar ▸ TOPJOB® S ▸ 2001 Series
Suitable: for 2001 and 2201 Series Rail-Mount Terminal Blocks or 4.2 mm Terminal Block Width

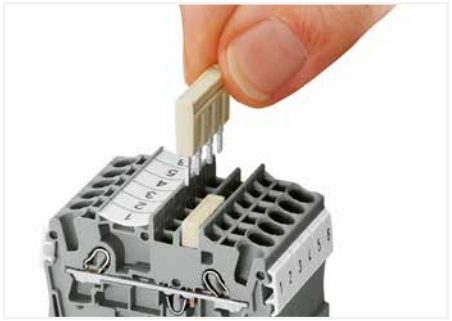
2001-404

light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2001-402	25
◯ 1-2-3	2001-403	25
◯ 1-2-3-4	2001-404	25
◯ 1-2-3-4-5	2001-405	25
◯ 1-2-3-4-5-6	2001-406	25
◯ 1-2-3-4-5-6-7	2001-407	25
◯ 1-2-3-4-5-6-7-8	2001-408	25
◯ 1-2-3-4-5-6-7-8-9	2001-409	25
◯ 1-2-3-4-5-6-7-8-9-10	2001-410	25

2001-434

light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2001-433	25
◯ 1-4	2001-434	25
◯ 1-5	2001-435	25
◯ 1-6	2001-436	25
◯ 1-7	2001-437	25
◯ 1-8	2001-438	25
◯ 1-9	2001-439	25
◯ 1-10	2001-440	25

Electrical Data	
Rated voltage (III / 3)	800 V
Rated current	17.5 A
Rated current (Ex e II)	16 A



Insert a push-in type jumper bar and push down until it hits the backstop.

Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

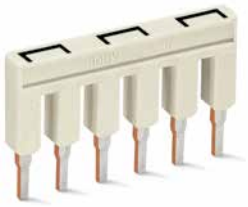
6

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2001 Series
Suitable: for 2001 and 2201 Series Rail-Mount Terminal Blocks or 4.2 mm Terminal Block Width

2001-405/011-000

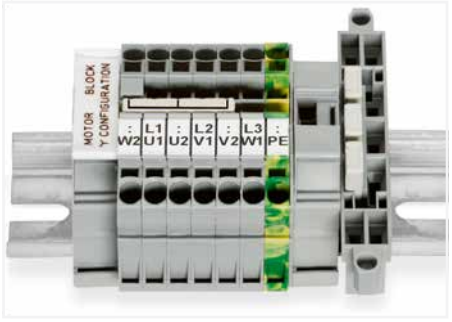
Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2001-405/011-000	25



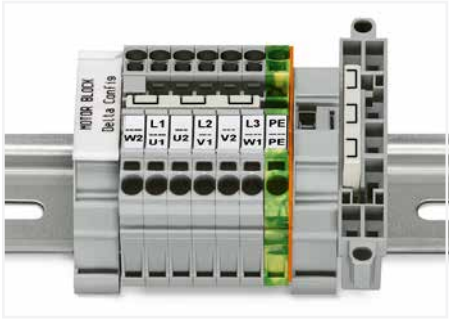
2001-406/020-000

Delta jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-2 3-4 5-6	2001-406/020-000	25

Electrical Data	
Rated voltage (III / 3)	800 V
Rated current	17.5 A



This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.

PU = packaging unit; SPU = subpackaging unit

Push-In Type Jumper Bar ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

2002-404

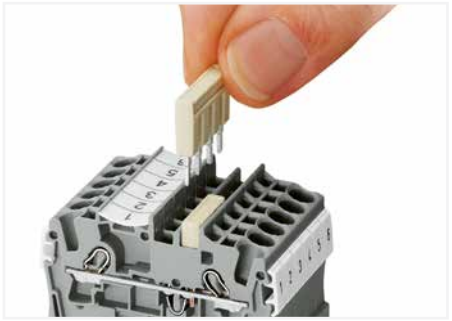
light gray		
Jumper assignment	Item No.	PU
○ 1-2	2002-402	25
○ 1-2-3	2002-403	25
○ 1-2-3-4	2002-404	25
○ 1-2-3-4-5	2002-405	25
○ 1-2-3-4-5-6	2002-406	25
○ 1-2-3-4-5-6-7	2002-407	25
○ 1-2-3-4-5-6-7-8	2002-408	25
○ 1-2-3-4-5-6-7-8-9	2002-409	25
○ 1-2-3-4-5-6-7-8-9-10	2002-410	25

red		
Jumper assignment	Item No.	PU
1-2	2002-402/000-005	25
1-2-3	2002-403/000-005	25
1-2-3-4	2002-404/000-005	25
1-2-3-4-5	2002-405/000-005	25
1-2-3-4-5-6	2002-406/000-005	25
1-2-3-4-5-6-7	2002-407/000-005	25
1-2-3-4-5-6-7-8	2002-408/000-005	25
1-2-3-4-5-6-7-8-9	2002-409/000-005	25
1-2-3-4-5-6-7-8-9-10	2002-410/000-005	25

blue		
Jumper assignment	Item No.	PU
1-2	2002-402/000-006	25
1-2-3	2002-403/000-006	25
1-2-3-4	2002-404/000-006	25
1-2-3-4-5	2002-405/000-006	25
1-2-3-4-5-6	2002-406/000-006	25
1-2-3-4-5-6-7	2002-407/000-006	25
1-2-3-4-5-6-7-8	2002-408/000-006	25
1-2-3-4-5-6-7-8-9	2002-409/000-006	25
1-2-3-4-5-6-7-8-9-10	2002-410/000-006	25

2002-434

light gray		
Jumper assignment	Item No.	PU
○ 1-3	2002-433	25
○ 1-4	2002-434	25
○ 1-5	2002-435	25
○ 1-6	2002-436	25
○ 1-7	2002-437	25
○ 1-8	2002-438	25
○ 1-9	2002-439	25
○ 1-10	2002-440	25



Insert a push-in type jumper bar and push down until it hits the backstop.

Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

Electrical Data		
Rated voltage (III / 3)	800 V	
Rated current	25 A	
Rated current (Ex e II)	20 A	

PU = packaging unit; SPU = subpackaging unit

Continuous Jumper ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

2002-400

light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2002-400	25

2002-413

light gray		
Jumper assignment	Item No.	PU
◯ 1-2-3	2002-413	25
◯ 1-2-3-4-5	2002-415	25

2002-423

light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2002-423	25
◯ 1-4	2002-424	25

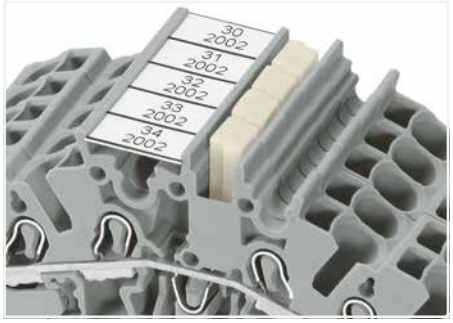
red		
Jumper assignment	Item No.	PU
🔴 1-3	2002-423/000-005	25
🔴 1-4	2002-424/000-005	25

blue		
Jumper assignment	Item No.	PU
🔵 1-3	2002-423/000-006	25
🔵 1-4	2002-424/000-006	25

Electrical Data		
Rated voltage (III / 3)	800 V	
Rated current	25 A	
Rated current (Ex e II)	20 A	

Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. The second jumper slot remains free.

The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



Adjacent jumpers for continuous commoning (Item No. 2002-400)

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

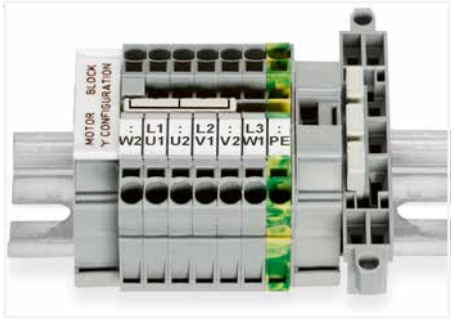
2002-405/011-000

Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2002-405/011-000	25

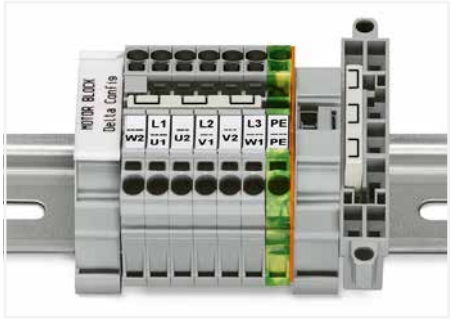
2002-406/020-000

Delta jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-2 3-4 5-6	2002-406/020-000	25

Electrical Data	
Rated voltage (III / 3)	800 V
Rated current	25 A



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.

6

PU = packaging unit; SPU = subpackaging unit

Staggered Jumper ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

2002-472

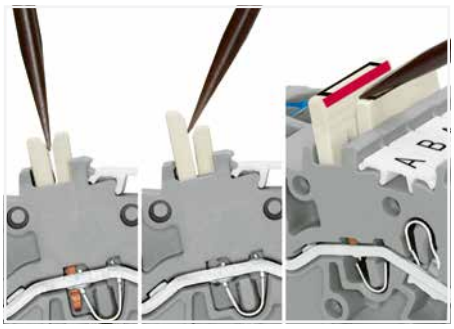
light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2002-472	25
◯ 1-2-3	2002-473	25
◯ 1-2-3-4	2002-474	25
◯ 1-2-3-4-5	2002-475	25
◯ 1-2-3-4-5-6	2002-476	25
◯ 1-2-3-4-5-6-7	2002-477	25
◯ 1-2-3-4-5-6-7-8	2002-478	25
◯ 1-2-3-4-5-6-7-8-9	2002-479	25
◯ 1-2-3-4-5-6-7-8-9-10	2002-480	25
◯ 1-2-3-4-5-6-7-8-9-10-11	2002-481	25
◯ 1-2-3-4-5-6-7-8-9-10-12-12	2002-482	25

2002-477/011-000

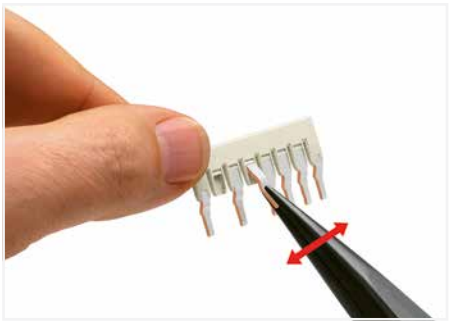
light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2002-473/011-000	25
◯ 1-3-5	2002-475/011-000	25
◯ 1-3-5-7	2002-477/011-000	25
◯ 1-3-5-7-9	2002-479/011-000	25
◯ 1-3-5-7-9-11	2002-481/011-000	25

Staggering jumpers in a single jumper slot.
Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure that only one contact lug is in contact with the terminal block.
The contact lugs of the customized staggered jumpers contact the terminal blocks via the gaps created in the second jumper. Insert and press the ready-made jumper assembly into the jumper slot until it hits the backstop.

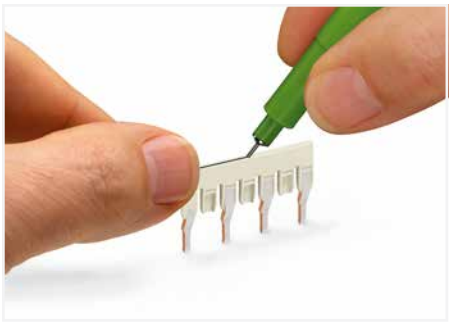
Electrical Data		
Pollution degree	3	
Rated voltage (III / 3)	400 V	
Rated surge voltage	6 kV	
Rated current	25 A	



Removing a staggered jumper:
Insert the operating tool between the staggered jumpers, then lift up the jumper.

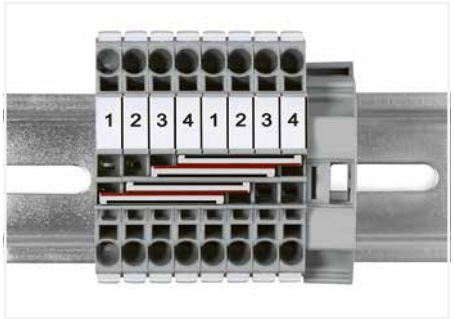


Staggered jumper (seven contacts)
Breaking off contact lugs. Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet requirements for clearances and creepage distances.



Staggered jumper
Marking with a felt-tip pen.

Locate red stripes of the staggered jumpers on the inside. Insert staggered jumper and push down until it hits the backstop.



Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.

PU = packaging unit; SPU = subpackaging unit

Vertical Jumper ▸ TOPJOB® S ▸ 2002 Series

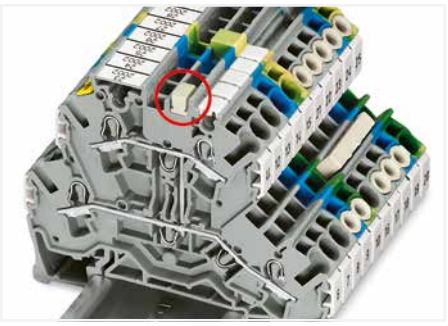
2002-492

for 2002, 2022 and 2202 Series Double-Deck Terminal Blocks		
Color	Item No.	PU
○ light gray	2002-492	25
● orange	2002-492/000-012	25

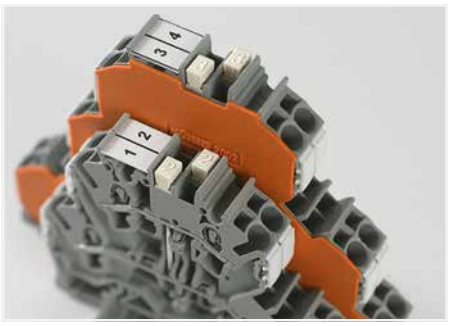
2002-493

for 2002, 2022 and 2202 Series Triple-Deck Terminal Blocks		
Color	Item No.	PU
○ light gray	2002-493	25

Electrical Data	
Pollution degree	3
Rated voltage (III / 3)	800 V
Rated surge voltage	6 kV
Rated current	24 A



Commoning two levels via double-deck vertical jumper (Item No. 2002-492).



Created for double- and triple-deck TOPJOB® S Terminal Blocks, the vertical jumpers can common two or three levels. Clearly marked numerals (“2” and “3”) distinguish the double-deck (Item No. 2002-0492) and triple-deck vertical jumpers (Item No. 2002-0493), even when inserted.

Commoning three levels via triple-deck vertical jumper (Item No. 2002-493).

6

PU = packaging unit; SPU = subpackaging unit

Push-In Type Jumper Bar ▸ TOPJOB® S ▸ 2004 Series

Suitable: for 2004, 2005, 2104 and 2204 Series Rail-Mount Terminal Blocks or 6.2 mm Terminal Block Width

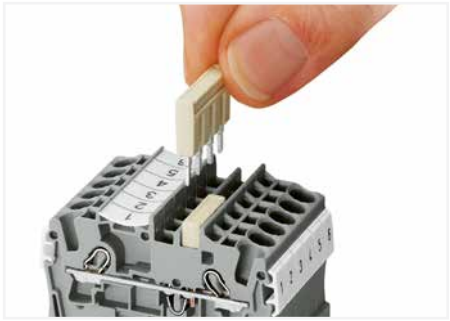
2004-404

light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2004-402	25
◯ 1-2-3	2004-403	25
◯ 1-2-3-4	2004-404	25
◯ 1-2-3-4-5	2004-405	25
◯ 1-2-3-4-5-6	2004-406	25
◯ 1-2-3-4-5-6-7	2004-407	25
◯ 1-2-3-4-5-6-7-8	2004-408	25
◯ 1-2-3-4-5-6-7-8-9	2004-409	25
◯ 1-2-3-4-5-6-7-8-9-10	2004-410	25

2004-434

light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2004-433	25
◯ 1-4	2004-434	25
◯ 1-5	2004-435	25
◯ 1-6	2004-436	25
◯ 1-7	2004-437	25
◯ 1-8	2004-438	25
◯ 1-9	2004-439	25
◯ 1-10	2004-440	25

Electrical Data	
Pollution degree	3
Rated voltage (III / 3)	800 V
Rated current	32 A
Rated current (Ex e II)	30 A



Insert a push-in type jumper bar and push down until it hits the backstop.

Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Marking with a felt-tip pen.

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2004 Series

Suitable: for 2004, 2005, 2104 and 2204 Series Rail-Mount Terminal Blocks or 6.2 mm Terminal Block Width

2004-405/011-000

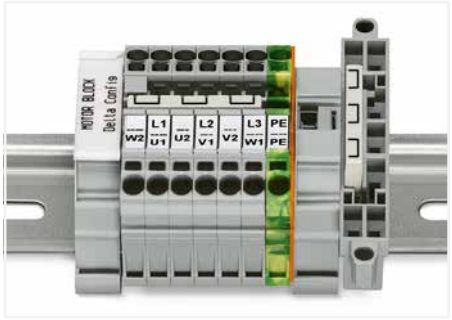
Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2004-405/011-000	25

2004-405/011-000

Delta jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-2 3-4 5-6	2004-406/020-000	25

Electrical Data	
Rated voltage (III / 3)	800 V
Rated current	32 A

This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.

6

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2006 Series

Suitable: for 2006, 2007, 2106 and 2206 Series Rail-Mount Terminal Blocks or 7.5 mm Terminal Block Width

Rated voltage (III / 3): 800 V ▸ Rated current: 41 A ▸ Rated current (Ex e II): 33 A

2006-404

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2006-402	25
◯ 1-2-3	2006-403	25
◯ 1-2-3-4	2006-404	25
◯ 1-2-3-4-5	2006-405	25

Rated voltage (III / 3): 800 V ▸ Rated current: 41 A ▸ Rated current (Ex e II): 33 A

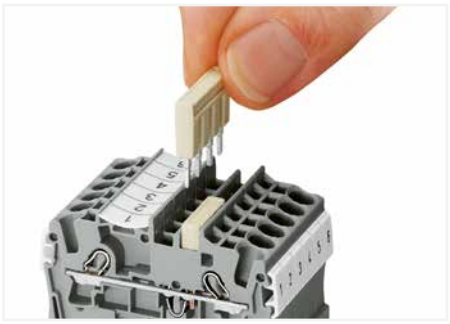
2006-434

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2006-433	25
◯ 1-4	2006-434	25
◯ 1-5	2006-435	25

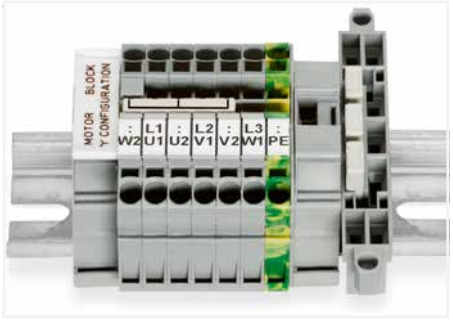
Rated voltage (III / 3): 800 V ▸ Rated current: 41 A

2006-405/011-000

Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2006-405/011-000	25



Insert a push-in type jumper bar and push down until it hits the backstop.



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.

6

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2010 Series

Suitable: for 2010, 2110 and 2210 Series Rail-Mount Terminal Blocks or 10 mm Terminal Block Width

Rated voltage (III / 3): 800 V ▸ Rated current: 57 A ▸ Rated current (Ex e II): 50 A

2010-403

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2010-402	25
◯ 1-2-3	2010-403	25
◯ 1-2-3-4	2010-404	25
◯ 1-2-3-4-5	2010-405	25

Rated voltage (III / 3): 800 V ▸ Rated current: 57 A ▸ Rated current (Ex e II): 50 A

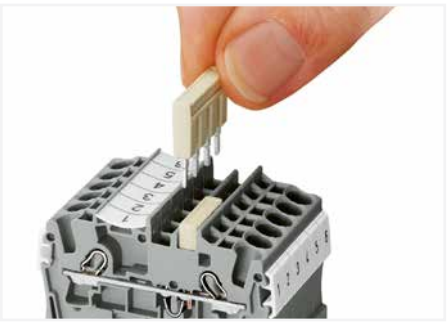
2010-433

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2010-433	25
◯ 1-4	2010-434	25
◯ 1-5	2010-435	25

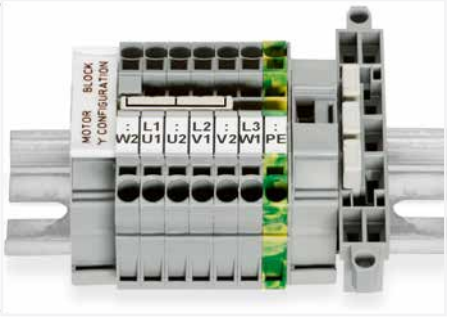
Rated voltage (III / 3): 800 V ▸ Rated current: 57 A

2010-405/011-000

Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2010-405/011-000	25



Insert a push-in type jumper bar and push down until it hits the backstop.



This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.

6

PU = packaging unit; SPU = subpackaging unit

Jumper ▸ TOPJOB® S ▸ 2016 Series
Suitable: for 2016, 2116 and 2216 Series Rail-Mount Terminal Blocks or 12 mm Terminal Block Width

Rated voltage (III / 3): 800 V ▸ Rated current: 76 A ▸ Rated current (Ex e II): 65 A

2016-403

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-2	2016-402	25
◯ 1-2-3	2016-403	25
◯ 1-2-3-4	2016-404	25
◯ 1-2-3-4-5	2016-405	25

Rated voltage (III / 3): 800 V ▸ Rated current: 76 A ▸ Rated current (Ex e II): 65 A

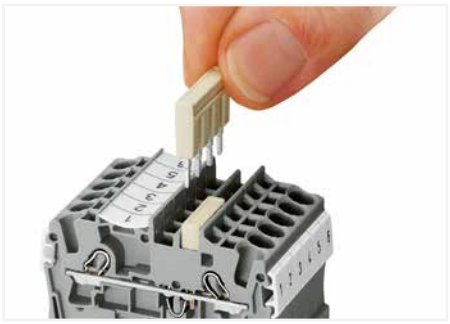
2016-433

Push-in type jumper bar; light gray		
Jumper assignment	Item No.	PU
◯ 1-3	2016-433	25
◯ 1-4	2016-434	25
◯ 1-5	2016-435	25

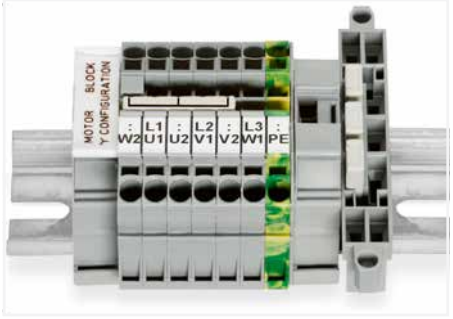
Rated voltage (III / 3): 800 V ▸ Rated current: 76 A

2016-405/011-000

Star point jumper; light gray		
Jumper assignment	Item No.	PU
◯ 1-3-5	2016-405/011-000	25



Insert a push-in type jumper bar and push down until it hits the backstop.



This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with TOPJOB® S Rail-Mount Terminal Blocks.

PU = packaging unit; SPU = subpackaging unit

Step-Down Jumper ▸ TOPJOB® S
for Through Terminal Blocks

Rated current: 32 A

2006-499

Suitable: commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG)

Color	Item No.	PU
◯ light gray	2006-499	25

Rated current: 57 A

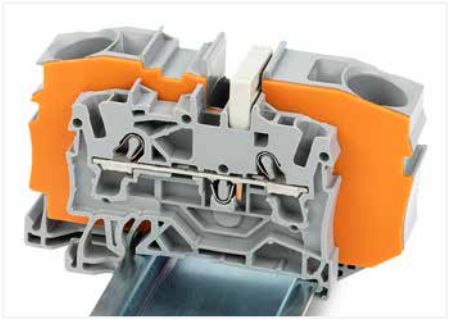
2016-499

Suitable: commons 16/10 mm² (8/10 AWG) to 10/6/4/2.5 mm² (8/10/12/14 AWG)

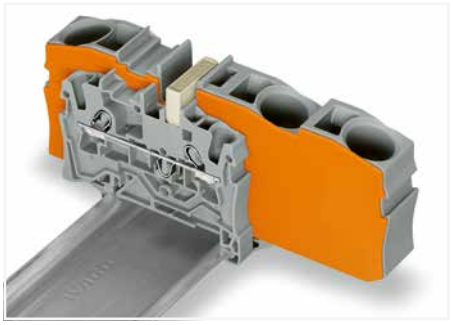
Color	Item No.	PU
◯ light gray	2016-499	25

Step-down jumpers (2006-499 and 2016-499)

Step-down jumper (Item No. 2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

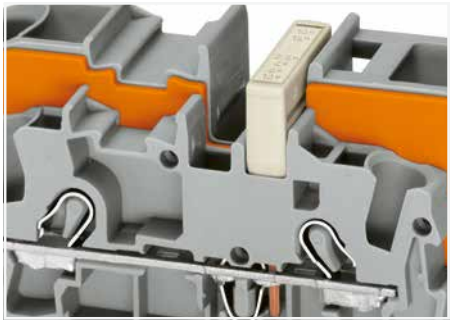


Step-down jumper (Item No. 2016-499) commons 16/10 mm² (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm² (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).

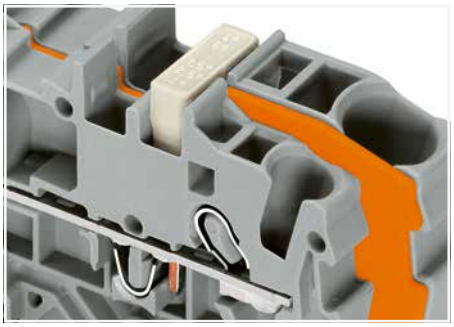


Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.

Step-down jumper (Item No. 2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).



Commoning with step-down jumpers.



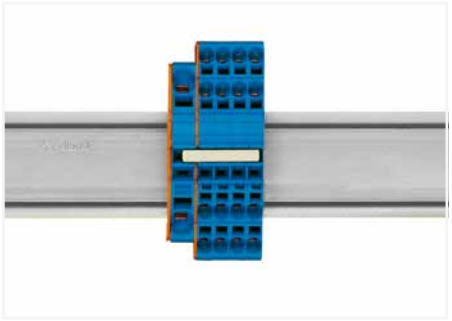
Commoning with step-down jumpers.

Using step-down jumpers, an end plate must be inserted between the terminal blocks to be commoned.

PU = Packaging Unit; SPU = Subpackaging Unit

Stepping Down via Push-In Type Jumper Bars ▸ TOPJOB® S
for Through Terminal Blocks

Stepping down via push-in type jumper bar:
Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



Stepping down via push-in type jumper bar:
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).

Note:
The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

Push-In Type Wire Jumper ▸ TOPJOB® S ▸ 2009 Series

Rated voltage (III / 3): 800 V ▸ Rated current: 8 kV ▸ Rated current: 9 A

2009-402

Mounting type: pluggable; 0.75 mm² conductor cross-section; gray; for 2000, 2020, 2050, 2200 and 2050 Series Rail-Mount Terminal Blocks
Push down the wire jumper until fully inserted!

Wire length of wire jumpers	Item No.	PU
60 mm	2009-402	100 (10)
110 mm	2009-404	100 (10)
250 mm	2009-406	100 (10)

Rated voltage (III / 3): 800 V ▸ Rated current: 8 kV ▸ Rated current: 18 A

2009-414

Mounting type: pluggable; 1.5 mm² conductor cross-section; black; for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks
Push down the wire jumper until fully inserted!

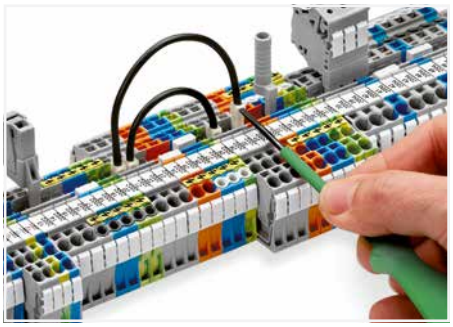
Wire length of wire jumpers	Item No.	PU
60 mm	2009-412	100 (10)
110 mm	2009-414	100 (10)
250 mm	2009-416	100 (10)

Mounting type: pluggable; 1.5 mm² conductor cross-section; Wire length of wire jumpers: 110 mm; for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks
Push down the wire jumper until fully inserted!

Color of insulation	Item No.	PU
red	2009-414/000-005	100 (10)
blue	2009-414/000-006	100 (10)

Push-in type wire jumpers common terminal blocks over longer distances and across multiple levels.

Push down the wire jumper until fully inserted. For rewiring, lift the jumper with an operating tool at the notch provided for this purpose on the jumper.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

PU = packaging unit; SPU = subpackaging unit

Wire Commoning Chain ▸ TOPJOB® S ▸ 210 Series

Rated current: 8 A

210-103

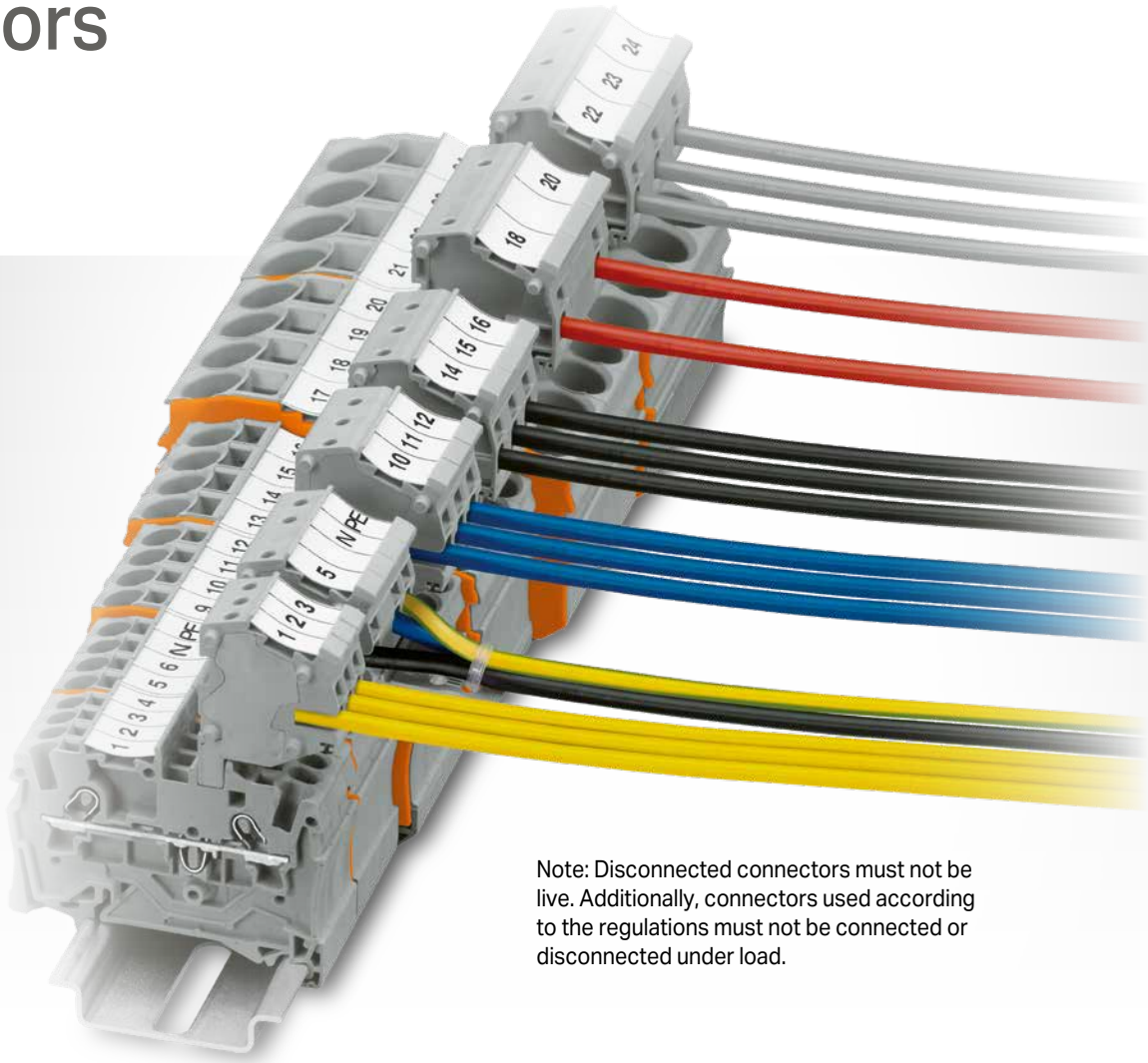
Wire commoning chain; 50 connections; insulated		
Color	Item No.	PU
black	**210-103**	5

210-123

Wire commoning chain; 50 connections; insulated		
Color	Item No.	PU
blue	**210-123**	5

PU = packaging unit; SPU = subpackaging unit

Connectors



Note: Disconnected connectors must not be live. Additionally, connectors used according to the regulations must not be connected or disconnected under load.

Connectors

Modular connectors with Push-in CAGE CLAMP® technology offer an additional connection option for conductors of the same size as the terminal block being used (up to 32 A). They can also double as test plugs.

Connector Strips

Additionally, 2- to 10-pole connector strips for the 2001 and 2002 Series, as well as 2- to 5-pole connector strips for the 2004 Series are available.

Testing

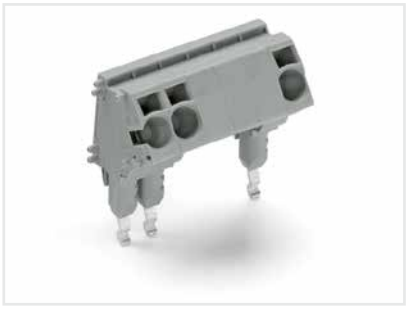
Modular connectors for 2001, 2002, 2004, 2006, 2010 and 2016 Series have a test socket for 2 mm or 2.3 mm Ø test plugs (max. test voltage: 42 V).

Testing Accessories

Connector

- Circuit identification via WMB markers
- Customizable to suit required number of poles

Test Plug



The TOPJOB® S Test Plugs can be simply pushed into the conductor entry and then unplugged – no tools required. Test plugs are a convenient workaround for multilevel terminal block assemblies with inaccessible jumper slots. Additionally, terminal blocks can be skipped using spacer modules.

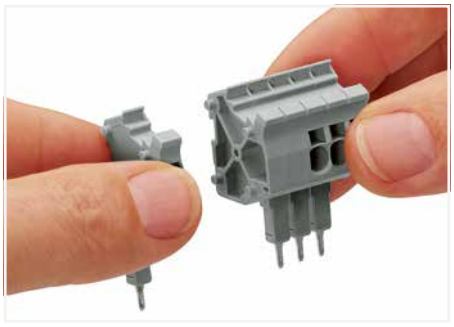
Test Plug Adapter

The test plug adapter, Cat. 1 (Item No. 2009-174), for 4 mm Ø (0.157 inch) plugs is suited for 2001 to 2016 Series terminal blocks.

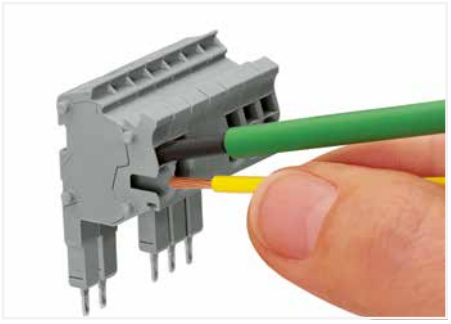
Test Tap

Testing tap (Item No. 2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Connector ▸ TOPJOB® S
Description and Installation

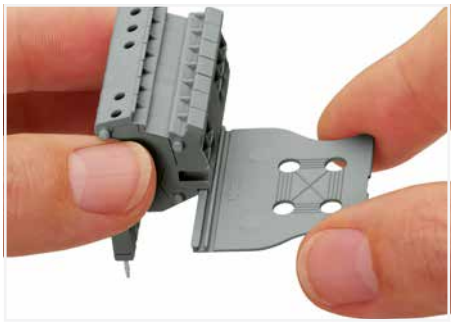


Snapping connectors and spacers together to assemble a multipole connector.



Conductor termination via:
Operating tool for fine-stranded conductors without ferrules
Push-in connection of solid conductors

Modular connectors also connect conductors of the same size as the terminal blocks being used.



Snapping on a strain relief plate.

Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester

Rail-mount terminal block assembly for electric motor wiring

Connector ▸ TOPJOB® S ▸ 2000 Series

Suitable: for 2000, 2020, 2050, 2200 and 2250 Series Rail-Mount Terminal Blocks or 3.5 mm Terminal Block Width

Module width: 3.5 mm / 0.138 inch

2000-510

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
1-pole	2000-510	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
gray	2000-549	100 (25)

Module width: 5 mm / 0.197 inch

2000-511

Modular connector; with end plate; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
1-pole	2000-511	100 (25)

Module width: 3.5 mm / 0.138 inch

2000-552

Connector strip; for jumper contact slot; gray

Pole No.	Item No.	PU
2-pole	2000-552	25
3-pole	2000-553	25
4-pole	2000-554	25
5-pole	2000-555	10
6-pole	2000-556	10
7-pole	2000-557	10
8-pole	2000-558	10
9-pole	2000-559	10
10-pole	2000-560	10

Electrical Data

Pollution degree	3	
Rated voltage (III / 3)	500 V	
Rated impulse voltage (III / 3)	6 kV	
Rated current	13.5 A	
Approvals per	UL 1059	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	10 A	10 A
Approvals per	CSA 22.2 No. 158	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	10 A	10 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.47 inch
Nominal cross-section	1 mm²
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Solid conductor; push-in termination	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 … 0.75 mm² / 20 … 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Accessories; for all products on this page

End plate; 1.5 mm thick; for modular connector

Color	Item No.	PU (SPU)
gray	2002-541	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
35 mm	734-326	100 (25)
6 mm	734-327	100 (25)
12.5 mm	734-328	100 (25)
25 mm	734-329	100 (25)

PU = packaging unit; SPU = subpackaging unit

Connector ▸ TOPJOB® S ▸ 2001 Series
Suitable: for 2001 and 2201 Series Rail-Mount Terminal Blocks or 4.2 mm Terminal Block Width

Module width: 4.2 mm / 0.165 inch

2001-5111

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
◯ 1-pole	2001-511	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
◯ gray	2001-549	100 (25)

Module width: 4.2 mm / 0.165 inch

2001-555

Connector strip; for jumper contact slot; gray

Pole No.	Item No.	PU
◯ 2-pole	2001-552	25
◯ 3-pole	2001-553	25
◯ 4-pole	2001-554	25
◯ 5-pole	2001-555	10
◯ 6-pole	2001-556	10
◯ 7-pole	2001-557	10
◯ 8-pole	2001-558	10
◯ 9-pole	2001-559	10
◯ 10-pole	2001-560	10

Electrical Data

Pollution degree	3	
Rated voltage (III / 3)	500 V	
Rated impulse voltage (III / 3)	6 kV	
Rated current	18 A	
Approvals per	UL 1059	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	15 A	15 A
Approvals per	CSA 22.2 No. 158	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	15 A	15 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	9 … 11 mm / 0.35 … 0.43 inch
Nominal cross-section	1.5 mm²
Solid conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Solid conductor; push-in termination	0.75 … 2.5 mm² / 18 … 14 AWG
Fine-stranded conductor	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 22 … 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 … 1.5 mm² / 20 … 16 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Accessories; for all products on this page

End plate; 1.5 mm thick; for modular connector

Color	Item No.	PU (SPU)
◯ gray	2002-541	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
◯ 35 mm	734-326	100 (25)
◯ 6 mm	734-327	100 (25)
◯ 12.5 mm	734-328	100 (25)
◯ 25 mm	734-329	100 (25)

PU = packaging unit; SPU = subpackaging unit

Connector ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

Module width: 5.2 mm / 0.205 inch

2002-511

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
1-pole	2002-511	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
gray	2002-549	100 (25)

Module width: 5.2 mm / 0.205 inch

2002-555

Connector strip; for jumper contact slot; gray

Pole No.	Item No.	PU
2-pole	2002-552	25
3-pole	2002-553	25
4-pole	2002-554	25
5-pole	2002-555	10
6-pole	2002-556	10
7-pole	2002-557	10
8-pole	2002-558	10
9-pole	2002-559	10
10-pole	2002-560	10

Electrical Data

Pollution degree	3	
Rated voltage (III / 3)	500 V	
Rated impulse voltage (III / 3)	6 kV	
Rated current	24 A	
Approvals per	UL 1059	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	20 A	20 A
Approvals per	CSA 22.2 No. 158	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	20 A	20 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inch
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Accessories; for all products on this page

End plate; 1.5 mm thick; for modular connector

Color	Item No.	PU (SPU)
gray	2002-541	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
35 mm	734-326	100 (25)
6 mm	734-327	100 (25)
12.5 mm	734-328	100 (25)
25 mm	734-329	100 (25)

PU = packaging unit; SPU = subpackaging unit

Connector ▸ TOPJOB® S ▸ 2004 Series

Suitable: for 2004, 2005, 2104 and 2204 Series Rail-Mount Terminal Blocks or 6.2 mm Terminal Block Width

Module width: 6.2 mm / 0.244 inch

2004-5111

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
1-pole	2004-511	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
gray	2004-549	100 (25)

Module width: 6.2 mm / 0.244 inch

2004-555

Connector strip; for jumper contact slot; gray

Pole No.	Item No.	PU
2-pole	2004-552	25
3-pole	2004-553	25
4-pole	2004-554	25
5-pole	2004-555	10

Electrical Data		
Pollution degree	3	
Rated voltage (III / 3)	500 V	
Rated impulse voltage (III / 3)	6 kV	
Rated current	32 A	
Approvals per	UL 1059	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	30 A	30 A
Approvals per	CSA 22.2 No. 158	
Use group	B	C
Rated voltage	300 V	300 V
Rated current	30 A	30 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inch
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

6

Accessories; for all products on this page

End plate; 1.5 mm thick; for modular connector

Color	Item No.	PU (SPU)
gray	2004-541	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
35 mm	734-326	100 (25)
6 mm	734-327	100 (25)
12.5 mm	734-328	100 (25)
25 mm	734-329	100 (25)

PU = packaging unit; SPU = subpackaging unit

Connector ▸ TOPJOB® S

Module width: 7.5 mm / 0.295 inch ▸ Suitable: for 2006, 2007, 2106 and 2206 Series Rail-Mount Terminal Blocks or 7.5 mm terminal block width

2006-5111

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
◯ 1-pole	2006-511	50 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
◯ gray	2006-549	50 (25)

Module width: 10 mm / 0.394 inch ▸ Suitable: for 2010, 2110 and 2210 Series Rail-Mount Terminal Blocks or 10 mm terminal block width

2006-5111

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
◯ 1-pole	2010-511	50 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
◯ gray	2010-549	50 (25)

Module width: 12 mm / 0.472 inch ▸ Suitable: for 2016, 2116 and 2216 Series Rail-Mount Terminal Blocks or 12 mm terminal block width

2006-5111

Modular connector; snaps together; for jumper contact slot; gray

Pole No.	Item No.	PU
◯ 1-pole	2016-511	50 (25)

Spacer module; snaps together; bridges commoned terminal blocks

Color	Item No.	PU
◯ gray	2016-549	50 (25)

Electrical Data

Pollution degree	3
Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	32 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	11 … 13 mm / 0.43 … 0.51 inch
Nominal cross-section	4 mm²
Solid conductor	0.5 … 6 mm² / 20 … 10 AWG
Solid conductor; push-in termination	1.5 … 6 mm² / 14 … 10 AWG
Fine-stranded conductor	0.5 … 6 mm² / 20 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 … 4 mm² / 18 … 12 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

6

Accessories; for all products on this page

End plate; 1.5 mm thick; for modular connector

Color	Item No.	PU (SPU)
◯ gray	2004-541	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
◯ 35 mm	734-326	100 (25)
◯ 6 mm	734-327	100 (25)
◯ 12.5 mm	734-328	100 (25)
◯ 25 mm	734-329	100 (25)

PU = packaging unit; SPU = subpackaging unit

Testing Accessories ▸ TOPJOB® S ▸ 2002 Series

Suitable: for 2002, 2003, 2022, 2052, 2102, 2202, 2222 and 2252 Series Rail-Mount Terminal Blocks or 5.2 mm Terminal Block Width

Module width: 5.2 mm / 0.205 inch

2002-611

L-type test plug module; snaps together; gray		
Pole No.	Item No.	PU
◯ 1-pole	**2002-611**	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks		
Color	Item No.	PU
◯ gray	**2002-649**	100 (25)

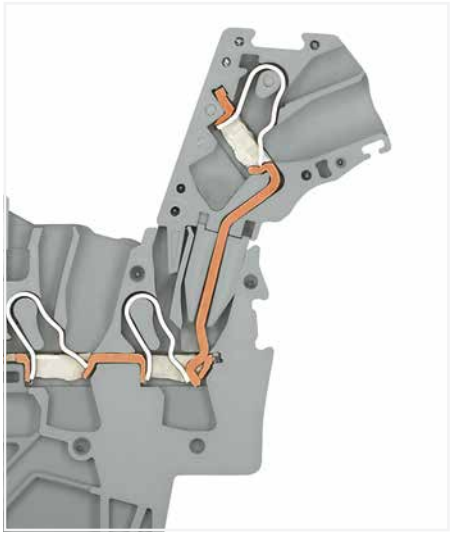
L-type test plug assembly consisting of:
L-type test plug modules and L-type spacer modules (max. 10-pole)
Additionally, terminal blocks can be skipped using spacer modules.

L-type test plugs for testing rail-mount terminal blocks via conductor entries

L-type test plug modules fitted in a triple-deck terminal block

Electrical Data	
Pollution degree	3
Rated voltage (III / 3)	500 V
Rated impulse voltage (III / 3)	6 kV
Rated current	18 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 12 mm / 0.39 … 0.47 inch
Nominal cross-section	2.5 mm²
Solid conductor	0.25 … 4 mm² / 22 … 12 AWG
Solid conductor; push-in termination	0.75 … 4 mm² / 18 … 12 AWG
Fine-stranded conductor	0.25 … 4 mm² / 22 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm² / 22 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 … 2.5 mm² / 18 … 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.



L-type test plug module, cross-sectional view of contact

6

Accessories; for all products on this page

End plate; 1.5 mm thick;
for modular test plug module

Color	Item No.	PU (SPU)
◯ gray	**2002-641**	100 (25)

Strain relief plate; gray

Width	Item No.	PU (SPU)
◯ 35 mm	**734-326**	100 (25)
◯ 6 mm	**734-327**	100 (25)
◯ 12.5 mm	**734-328**	100 (25)
◯ 25 mm	**734-329**	100 (25)

PU = packaging unit; SPU = subpackaging unit

Testing Accessories ▸ TOPJOB® S ▸ 2009 Series
Suitable: for Testing TOPJOB® S Rail-Mount Terminal Blocks

Total number of potentials: 1

2009-174

Test plug adapter; for 4 mm Ø test plug; for testing TOPJOB® S Rail-Mount Terminal Blocks
Power must be switched off when installing the test plug adapter. The safety guidelines for working on live installations must be observed.

Color	Item No.	PU
gray	2009-174	100 (25)

Total number of potentials: 1

2009-182

Testing tap; for max. 2.5 mm²; connects test cables (0.08 … 2.5 mm²) without tool
Power must be switched off when installing the testing tap. The safety guidelines for working on live installations must be observed.

Color	Item No.	PU
gray	2009-182	100 (25)

The test plug adapter, Cat. 1 (Item No. 2009-174), for 4 mm Ø plugs is suited for 2001 to 2016 Series terminal blocks.

Testing tap (Item No. 2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Accessories; item-specific

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V

Item No.	PU (SPU)
215-111	50

PU = packaging unit; SPU = subpackaging unit

Insulation Stop ▸ TOPJOB® S
Suitable: for Conductors 0.08 … 1.5 mm² / 28 … 16 AWG

2001 Series

2001-171

Insulation stop; 5 pcs/strip; 0.25 … 0.5 mm²		
Color	Item No.	PU
○ light gray	**2001-171**	200 (25)

2002 Series

2002-171

Insulation stop; 5 pcs/strip; 0.25 … 0.5 mm²		
Color	Item No.	PU
○ light gray	**2002-171**	200 (25)

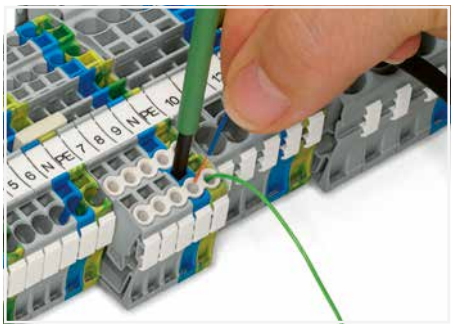
Insulation stop; 5 pcs/strip; 0.75 … 1 mm²		
Color	Item No.	PU
● dark gray	**2002-172**	200 (25)

2004 Series

2004-171

Insulation stop; 5 pcs/strip; 0.25 … 0.5 mm²		
Color	Item No.	PU
○ light gray	**2004-171**	200 (25)

Insulation stop; 5 pcs/strip; 0.75 … 1 mm²		
Color	Item No.	PU
● dark gray	**2004-172**	200 (25)



Inserting a conductor into the insulation stop.

6

PU = packaging unit; SPU = subpackaging unit

Cover ▸ TOPJOB® S

2000-115

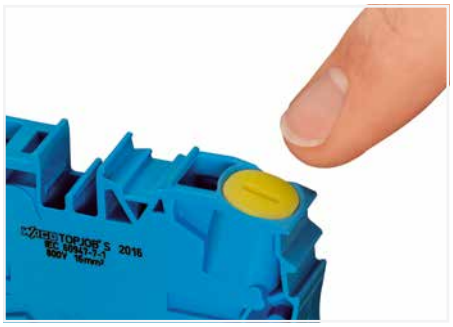
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks; yellow

	Item No.	PU
2000 Series	2000-115	100 (25)
2001 Series	2001-115	100 (25)
2002 Series	2002-115	100 (25)
2004 Series	2004-115	100 (25)
2006 Series	2006-115	100 (25)
2010 Series	2010-115	100 (25)
2016 Series	2016-115	100 (25)

2010-100

Finger guard; touch-proof cover protects unused conductor entries; yellow

	Item No.	PU
2010 Series	2010-100	200 (25)
2016 Series	2016-100	100 (25)



Finger guard seals an unused conductor entry.

PU = packaging unit; SPU = subpackaging unit

Disconnect Plug for Carrier Terminal Block, Blind Plug for Carrier Terminal Block ▸ TOPJOB® S

Rated voltage (III / 3): 400 V ▸ Rated current: 10 A

2002-401

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

Color	Item No.	PU
orange	2002-401	100 (25)

Rated voltage (III / 3): 800 V ▸ Rated current: 30 A

2006-401

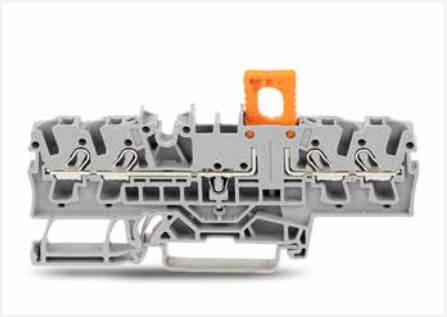
Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

Color	Item No.	PU
orange	2006-401	100 (25)
white	2006-401/000-050	100 (25)

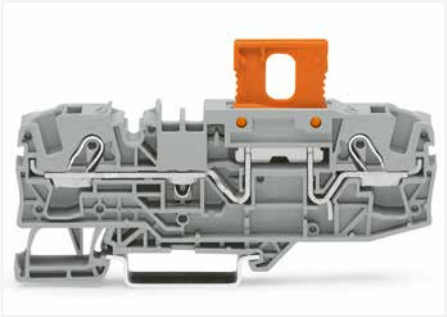
2006-451

Blind plug for carrier terminal block; indicates a disconnection

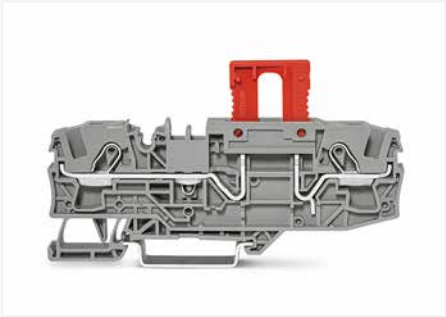
Color	Item No.	PU
red	2006-451	100 (25)



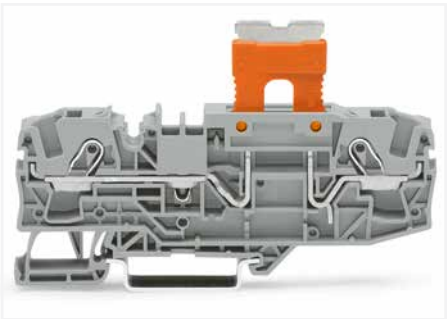
Carrier terminal block (2002-1661) with disconnect plug (2002-401) in operating position



Carrier terminal block (2006-1661) with disconnect plug (2006-401) in operating position



Blind plug (2006-451) for carrier terminal block; indicates a disconnection



Carrier terminal block (2006-401) with disconnect plug (2006-1661) in parked position

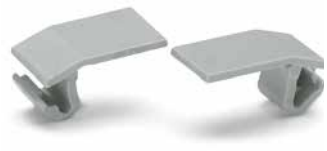
6

PU = packaging unit; SPU = subpackaging unit

Lockout Cap ▸ TOPJOB® S

2002-401

Lockout cap; for conductor entry and operating slot		
Color	Item No.	PU
orange	2002-192	25
gray	2002-191	25
blue	2002-194	25

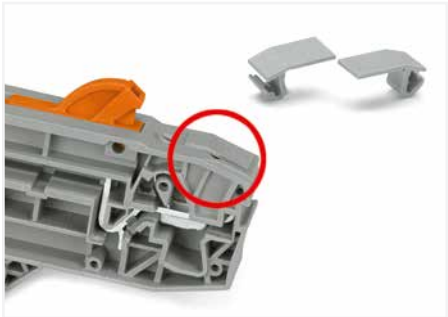


2006-401

Lockout cap; for conductor entry and operating slot		
Color	Item No.	PU
gray	2006-191	25

Creating spacer housings for electric motor wiring rail-mount terminal blocks via
lockout caps (2002-192) for conductor entry and operating slot.

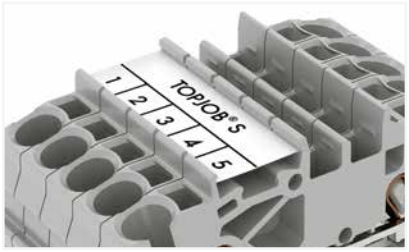
Lockout cap (2006-191) seals unused conductor entry.



Lockout cap (2006-191) seals unused conductor entry.

PU = packaging unit; SPU = subpackaging unit

Marking with Smart Printer



Terminal Block Marking

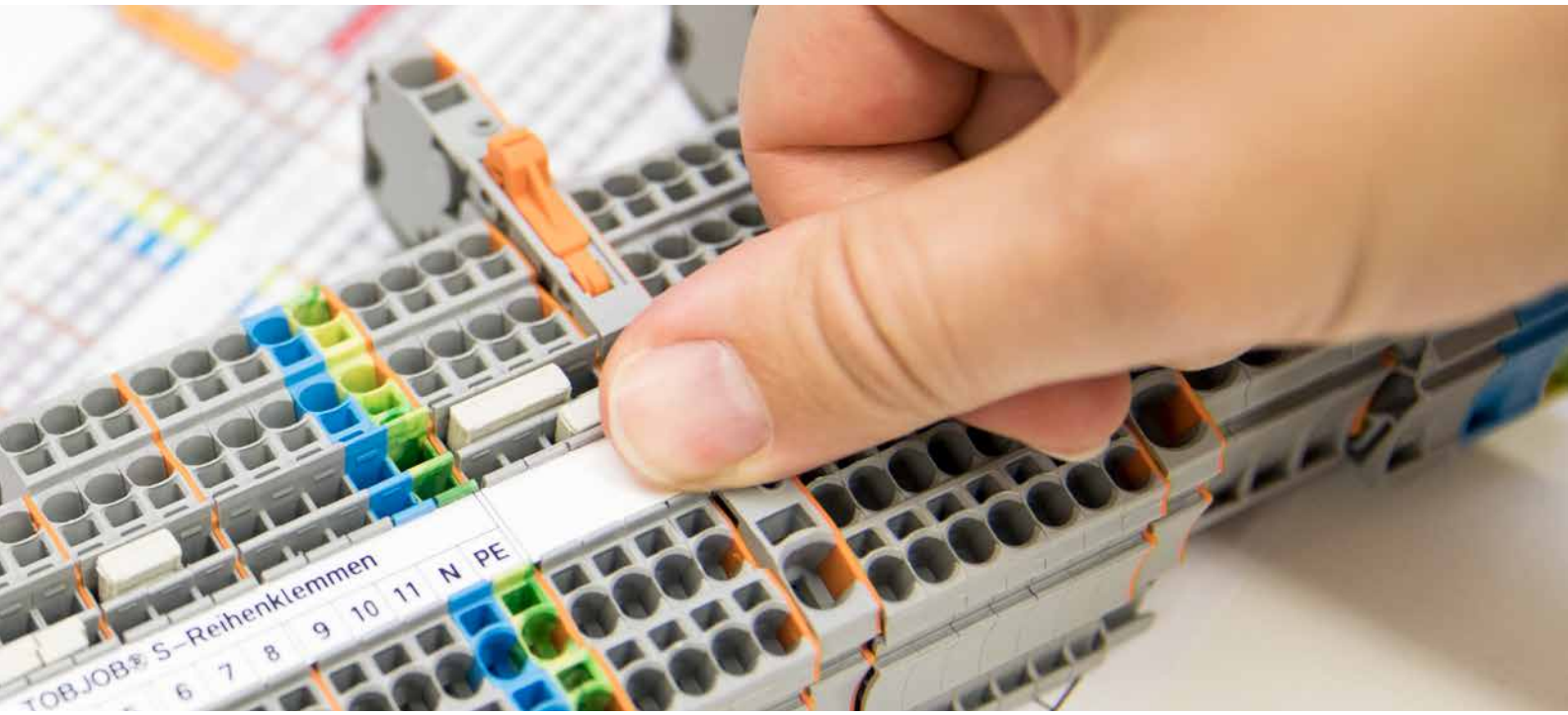
- Multi-line marking strips for clear, detailed control cabinet labels
- WMB Inline markers on a reel are suitable for various terminal block sizes
- Same profile across all TOPJOB® S Rail-Mount Terminal Blocks ensures quick labeling

Cable and Conductor Marking

- Different versions available: marking sleeves, self-laminating labels, conductor markers for thread-on mounting or shrink tubes
- Large variety of marking surface sizes

Device Marking

- Broad selection of labels, type plates, fabric labels and type plates optimizes marking for devices and control cabinets
- Marking materials are available in a variety of colors and sizes



Your Benefits:

- Long-lasting, indelible, scratch-proof printing
- Lower purchase costs thanks to economical marking
- Save time on printing and affixing markings
- Universal application for all control cabinet marking tasks
- Easy installation

Thermal Transfer Printer
Smart Printer
Installation

Open Smart Printer.

Smart Printer is open.

Secure the appropriate roller in the printer.

Insert the entire core of the ink ribbon at the bottom.

Insert the empty core at the top and twist until the empty core has been completely wrapped.

Use the tear-off edge to remove the printed material.

Secure Material inside the Printer

Close Smart Printer.

Loosen the center bar, loosen the wing and place material on the bar.

Secure the second wing on the center bar, resecure the bar in the housing and loosely attach guide rails to the material.

Secure Material outside the Printer

Secure the material on the external unwinder.

Route material through the printer.

Guide the marker strip over the roller.

Place unwinder and material centrally behind the printer.

Loosely fit guide rails to the material.

External Unwinder

Set of external unwinder

Mobile Application

Secure *Bluetooth*® (258-5102) or WiFi Dongle (258-5103) in the USB-A interface.

Download WAGO Smart Script App and couple it to the desired printer in the print preview.

Optional use: Power bank 24 V (258-5104)

WAGO Marking Software Smart Script
Intuitive Marking Software

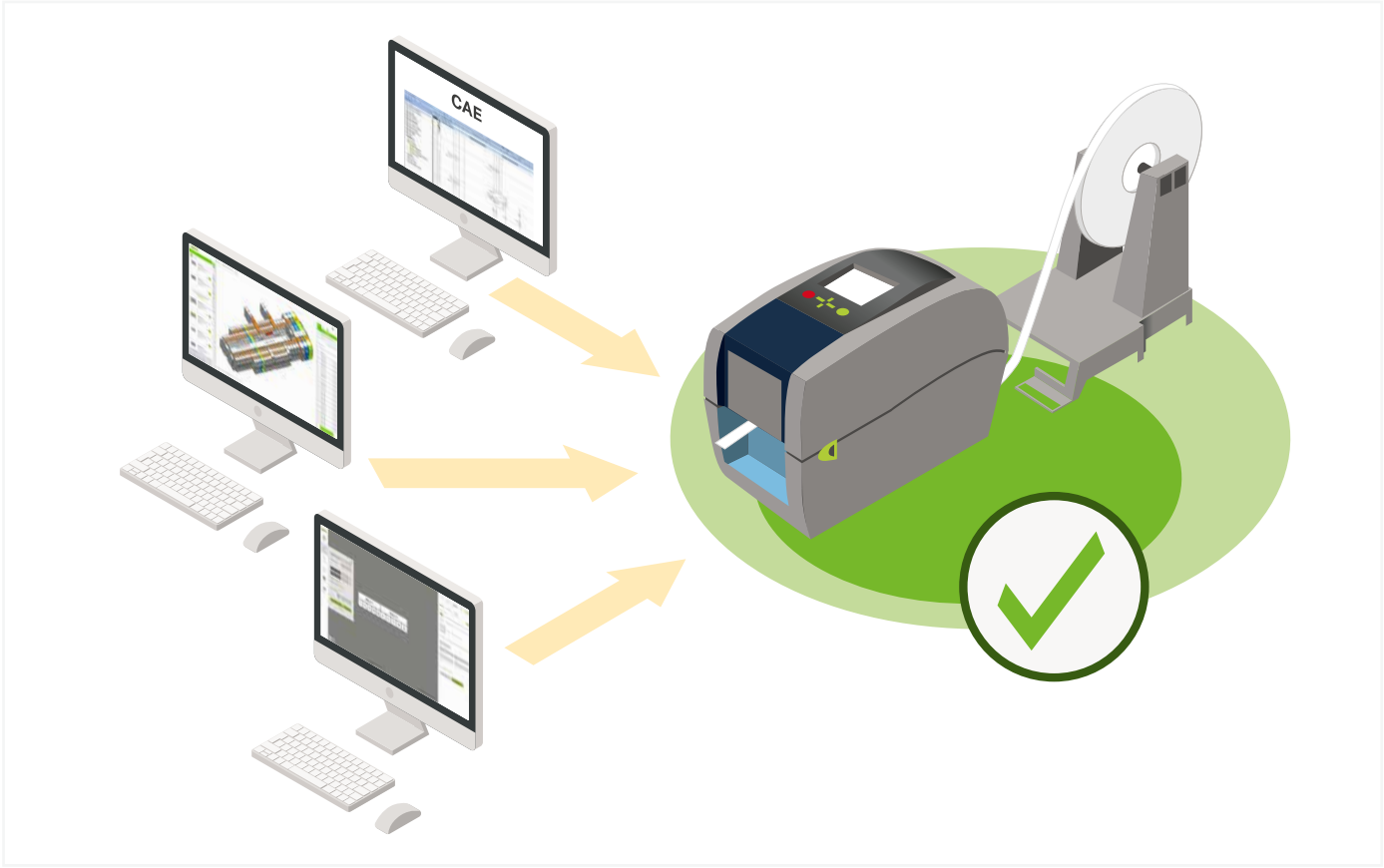
With its intuitive operation, this clearly structured marking software is suitable for all WAGO markers. Eliminate duplicated effort and simply export data from Excel or CAE systems for marking your terminal strips.

Combining superior usability with a modern design, Smart Script helps the user complete the task quickly and easily with just a few clicks. For example, Smart Script can be used to easily customize type labels, as well as define and print barcodes and graphic elements.

- Modern design and intuitive workflow
- Fast and easy use thanks to an integrated printer driver and printer settings
- A large selection of different marking media, including templates
- Optimized data interfaces to WAGO Configurator Smart Designer, EPLAN P8, Microsoft Excel, CSV

6

Printing with the Thermal Transfer Smart Printer



Direct Printing from a CAE System

With the perfect EPLAN interfaces, both terminal block markings and marking accessories for electrical equipment and conductors can be conveniently generated directly from a CAE system. Direct connection to the Thermal Transfer Smart Printer accelerates the manufacturing process.

Generate Marking Data from the Configuration Software

Save time and reduce your costs by printing markings directly from WAGO's Smart Designer Configuration Software on the economical Thermal Transfer Smart Printer. Configured terminal strips can be printed with just a few mouse clicks.

WAGO Marking Software Smart Script

With its intuitive operation, this clearly structured marking software is suitable for all WAGO markers. Eliminate duplicated effort and simply export data from Excel or CAE systems for marking your terminal strips.

Marking device
Printer model: Smart Printer

Connection data	
Interfaces	USB type A, (for BT and WiFi connection), USB type B (for PC connection), RS-232, ETHERNET 10/100 Mbps
System requirements	
Supported operating systems	Windows 7; Windows 8; Windows 10; Windows 11; Linux®
Memory	4 GB
Technical data	
Operating voltage	100 … 240 VAC, 50 … 60 Hz (automatic adjustment)
Print resolution	300 dpi (12 pixels/mm)
Print speed	Max. 127 mm/s (WAGO recommends 50.8 mm/s)
Print width (max.)	47 mm
Print length (max.)	762 mm
Print head	Glass layer, spring-mounted
See-through/reflective sensor	Yes, centrally mounted
Memory	8192 MB
Operating display	Color TFT LCD with navigation button
Safety approvals	CE (EMC)
Ink ribbon	External roll diameter: 40 mm; Internal core diameter: 12.7 mm (0.5 inch); Max. length: 110 m; Max. width: 58 mm
Mechanical data	
Dimensions W x H x D	(135 x 175 x 245) mm
Environmental requirements	
Ambient temperature (operation)	+5 … +40 °C
Ambient temperature (storage)	-20 … +50 °C

Accessories for marking devices	Page 548
Marking	Page 554

Marking device
Printer model: Smart Printer

Scope of delivery: USB Adapter *Bluetooth*® 5.0 Nano (258-5102), tool bag (large) (206-3010), power supply + cable, 2 rollers (258-5006 + 258-5007), 1 reel holder, 1 ink ribbon (258-5005), Smart Script marking software and driver, USB cable, external unwinder, 1 empty cardboard core

258-5100

	Item No.	PU
	258-5100	1

Scope of delivery: Power supply + cable, 2 rollers (258-5006 + 258-5007), 1 reel holder, 1 ink ribbon (258-5005), Smart Script marking software and driver, USB cable, external unwinder, 1 empty cardboard core

258-5107

	Item No.	PU
	258-5107	1

Item-Specific Accessories

Tool bag; empty; compatible with L-BOXX® 102; Capacity: 24 kg

	Item No.	PU
	206-3010	1

USB Adapter 5.0 with Bluetooth®; for WAGO Thermal Transfer Smart Printer

	Item No.	PU
	258-5102	1

Scope of delivery: Power supply + cable, 2 rollers (258-5006 + 258-5007), 1 roller holder, 1 ink ribbon (258-5005), Smart Script marking software and driver, USB cable, external unwinder, 1 empty cardboard core

258-5108

	Item No.	PU
	258-5108	1

Item-Specific Accessories

Tool bag; empty; compatible with L-BOXX® 102; Capacity: 24 kg

	Item No.	PU
	206-3010	1

USB Adapter 5.0 with Bluetooth®; for WAGO Thermal Transfer Smart Printer

	Item No.	PU
	258-5102	1

Accessories; for all products on this page

WiFi USB Adapter; for WAGO Thermal Transfer Smart Printer

	Item No.	PU
	258-5103	1

Power Bank; 12 … 24 V; 20100 mAh; for WAGO Thermal Transfer Smart Printer

	Item No.	PU
	258-5104	1

PU = packaging unit; SPU = subpackaging unit

Accessories for marking devices
Cutter

258-5030

Dimensions W x H x D: (60 x 107 x 131) mm

Item No.	PU
258-5030	1

Hardware requirements:
- Printer model: Smart Printer
- From manufacturing month/year: 0814 – August 2014
- Firmware version: 1.UW7i
- Printer driver: Version 7.4.2

- Software requirements:
- Smart Script: Version 4.2 or higher
- WAGO printer settings: Version 2.4.0.0 or higher

- Approved print material to be cut:
- Marking Strips: 2009-110, 709-177, 709-178, 757-901/000-005
- Self-Adhesive Marking Strips: 210-702, 210-870 ...-882/000-002
- Cable Tie Markers: 211-835 ... -836, 211-836/000-002
- Self-Laminating Labels: 211-855 ... -857
- Wire Markers for Thread-On Mounting: 211-861 ...-863
- Type Labels: 210-801 ... -804, 210-812
- Continuous Labels: 210-831 ... -834
- Label for Circuit Identification: 210-813

- Dimensions of printing materials:
- Width (max.): 46 mm
- Thickness (max.): 250 µm

PU = packaging unit; SPU = subpackaging unit

Accessories for marking devices
Thermal transfer ink ribbon

for all marking accessories from the WAGO product series (except 211-855, 211-856, 211-857)

258-5005

Length: 74 m

Color	Item No.	PU
black	258-5005	1
red	258-5005/000-005	1
white	258-5005/000-008	1

only for 211-855/-856/-857

258-5014

Length: 74 m

Color	Item No.	PU
black	258-5014	1

PU = packaging unit; SPU = subpackaging unit

Accessories for marking devices

Carrying case ▶ for Smart Printer ▶ With foam padding for printer

258-5015

Dimensions W x H x D: (500 x 260 x 230) mm		
Color	Item No.	PU
◯ white	258-5015	1

6

PU = packaging unit; SPU = subpackaging unit

Accessories for marking devices
Roller

for marking strips, device and equipment markers, conductor and cable markers

258-5006

Item No.	PU
258-5006	1

for Micro WSB Inline markers

258-5011

Item No.	PU
258-5011	1

for Mini-WSB Inline markers

Item No.	PU
258-5008	1

for WMB Inline markers

258-5007

Item No.	PU
258-5007	1

for WMB Inline markers; for Phoenix Contact Rail-Mount Terminal Blocks

258-5009

Item No.	PU
258-5009	1

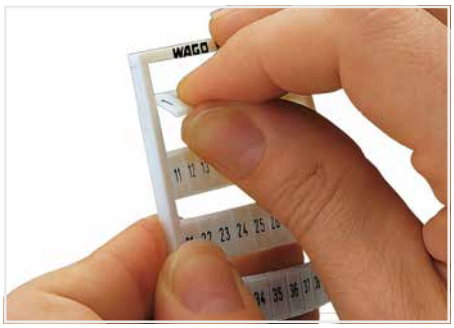
for WMB Inline markers; for Weidmüller Rail-Mount Terminal Blocks

258-5010

Item No.	PU
258-5010	1

PU = packaging unit; SPU = subpackaging unit

Marking Systems
Description and Installation

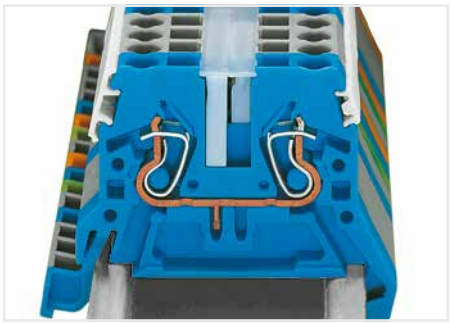


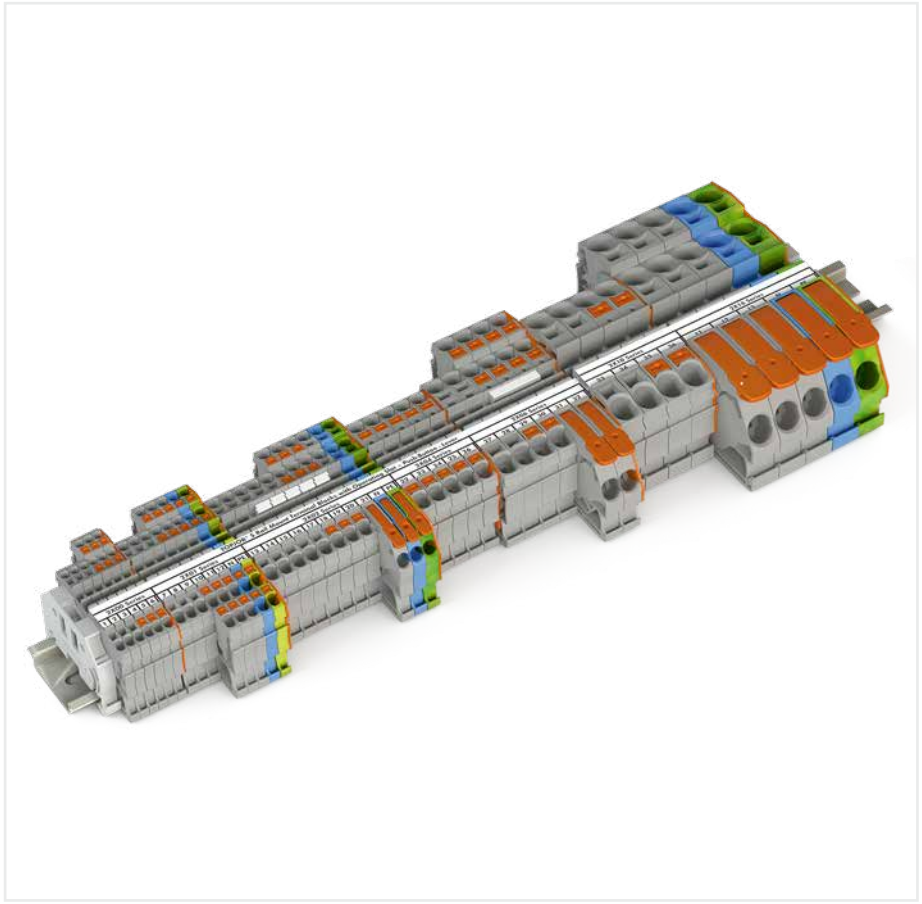
Separating a strip from the WMB or WMB marker card.

Stretching a WMB marker strip.

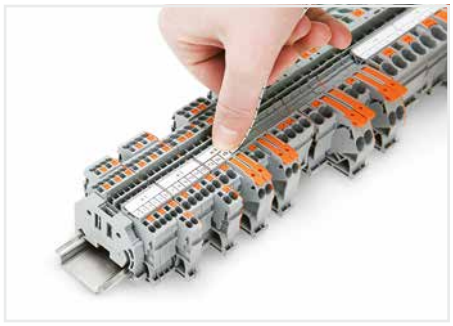
Separating an individual marker from the strip – for larger terminal blocks.

Marking via Mini-WSB Quick Marking System.


WMB markers in Mini-WSB marker slots
Translucent marking strip
Mini-WSB markers



Printing a marking strip (Item No. 2009-110) via Smart Printer.


Snapping a marking strip into the marker slot.

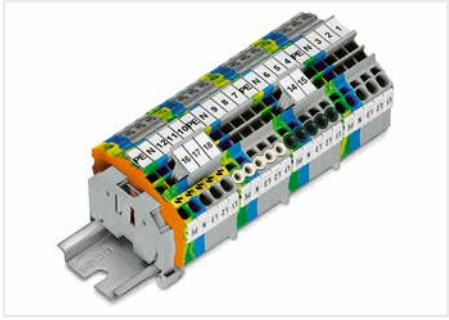
Marking strip – multi-line printing

6

Snapping a marking strip into the marker slot.

Snapping a WMB marker strip into the marker slot of the double marker carrier.

WMB "decade" marking

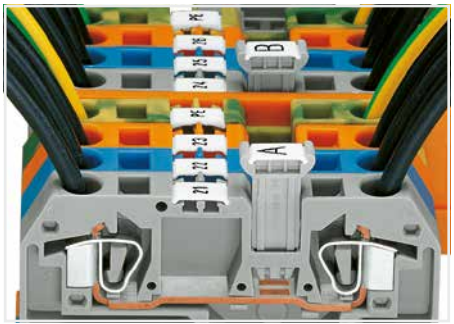


Group marker carriers for WAGO Rail-Mount Terminal Blocks TOPJOB® S – can be snapped into jumper slots.

Double- and triple-deck marker carriers can be retrofitted into the jumper contact slot of double- and triple-deck terminal blocks.

Height adjustable group marker carrier (Item No. 2009-163) for marking strips (Item No. 2009-110)

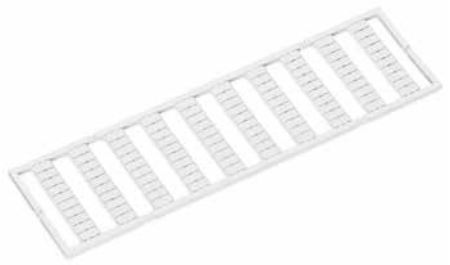
Height-adjustable group marker carrier



Additional group marking

6

Marking System
Terminal Block Width: 3.5 mm, 4 … 4.2 mm and from 5 mm



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 … 4.2 mm	279, 2001	-
5 … 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 … 5.2 mm
5 ··· 17.5 mm	270, 280, 780, 869, 870, 880	281 ··· 285, 781 ··· 785, 2002, 2004, 2005, 2006, 2007, 2010, 2016, 2022

WMB marker card ▸ plain ▸ 10 strips with 10 markers/card					
Color	5 mm Item No.	5 … 5.2 mm Item No.	4 … 4.2 mm Item No.	3.5 mm Item No.	Pack. Unit
white	793-501	793-5501	793-4501	793-3501	5
yellow	793-501/000-002	793-5501/000-002	793-4501/000-002		5
red	793-501/000-005	793-5501/000-005	793-4501/000-005		5
blue	793-501/000-006	793-5501/000-006	793-4501/000-006		5
gray	793-501/000-007	793-5501/000-007	793-4501/000-007		5
orange	793-501/000-012	793-5501/000-012	793-4501/000-012		5
light green	793-501/000-017	793-5501/000-017	793-4501/000-017		5
green	793-501/000-023	793-5501/000-023	793-4501/000-023		5
violet	793-501/000-024	793-5501/000-024	793-4501/000-024		5

Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 … 4.2 mm	279, 2001	-
5 … 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 … 5.2 mm

WMB Inline ▸ plain ▸ 2,300 WMB markers (3.5 mm)/reel		
Color	3.5 mm Item No.	Pack. Unit
white	2009-113	1

WMB Inline ▸ plain ▸ 2,000 WMB markers (4 mm)/reel ▸ stretchable 4 ··· 4.2 mm		
Color	4 ··· 4.2 mm Item No.	Pack. Unit
white	2009-114	1

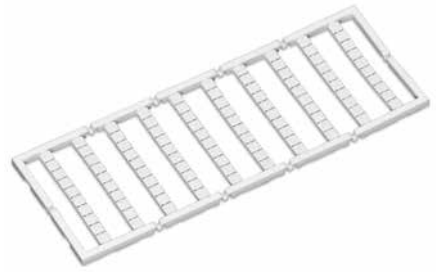
WMB Inline ▸ plain ▸ 1,500 WMB markers (5 mm)/reel ▸ stretchable 5 ··· 5.2 mm		
Color	5 ··· 5.2 mm Item No.	Pack. Unit
white	2009-115	1

Use	
	Can be snapped onto the following terminal block series
	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2010, 2016, 2020, 2022

Marking strip ▸ plain ▸ 11 mm wide ▸ 50 m reel		
Color	Item No.	Pack. Unit
white	2009-110	1
yellow	2009-110/020-002	1

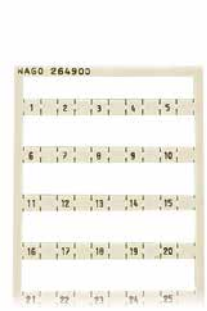
PU = packaging unit; SPU = subpackaging unit

Mini-WSB Quick Marking System
Terminal Block Width: 5 mm



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
5 mm	264, 270, 869, 880, 769, 870, 218, 233 ··· 236, 243, 250, 252 ··· 257, 735 ··· 742, 745, 746, 804, 805, 806, 816, 831, 750, 753, 2002, 2003, 2022	745, 746, 2004, 2006, 2007, 2010, 2016

Mini-WSB marker card ▸ plain ▸ 10 strips with 10 markers/card		
Color	Item No.	Pack. Unit
◯ white	248-501	5
◯ yellow	248-501/000-002	5
◯ red	248-501/000-005	5
◯ blue	248-501/000-006	5
◯ gray	248-501/000-007	5
◯ orange	248-501/000-012	5
◯ light green	248-501/000-017	5
◯ green	248-501/000-023	5
◯ violet	248-501/000-024	5



Mini-WSB marker card ▸ with marking ▸ not stretchable ▸ horizontal marking ▸ snap-on type		
Marking	Item No.	Pack. Unit
◯ 1, , 2, , 3, , 4, , 5, ; to 46, , 47, , 48, , 49, , 50, ; (each 1x)	264-900	5
◯ U, , V, , W, , N, , PE, ; (10x)	264-901	5
◯ L1, , L2, , L3, , N, , PE, ; (10x)	264-902	5
◯ 1, , 1, , 1, , 1, , 1, ; (10x)	264-903	5
◯ 2, , 2, , 2, , 2, , 2, ; (10x)	264-904	5
◯ 3, , 3, , 3, , 3, , 3, ; (10x)	264-905	5

Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
5 mm	264, 270, 869, 880, 769, 870, 218, 233 ··· 236, 243, 250, 252 ... 257, 735 ... 742, 745, 746, 804, 805, 806, 816, 831, 750, 753, 2002, 2003, 2022	745, 746, 2004, 2005, 2006, 2007, 2010, 2016

Mini-WSB Inline ▸ plain ▸ 1,700 markers (5 mm)/reel ▸ stretchable 5 ··· 5.2 mm		
Color	Item No.	Pack. Unit
◯ white	2009-145	1

6

PU = packaging unit; SPU = subpackaging unit

Marking Card ▸ Self-Adhesive Marking Strips

- Strip length: 182 mm

Marking strip ▸ plain; as DIN A4 sheet		
	Item No.	Pack. Unit
◯ Strip height: 2.3 mm; 100 self-adhesive strips per card	210-331	100
◯ Strip height: 3 mm; 80 self-adhesive strips per card	210-332	100
◯ Strip height: 5 mm; 48 self-adhesive strips per card	210-334	100
◯ Strip height: 6 mm; 40 self-adhesive strips per card	210-333	100
◯ Strip height: 9 mm; 25 self-adhesive strips per card	210-335	100

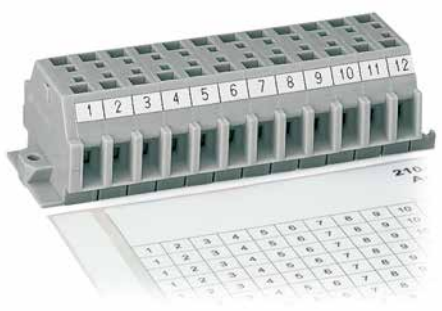
- Horizontal marking
- Strip length: 182 mm
- Strip height: 6 mm

Marking strip ▸ as DIN A4 sheet ▸ for 2-conductor terminal strips (260 Series)		
Marking	Item No.	Pack. Unit
◯ 1 … 10 (120 x)	210-333/500-002	100
◯ 11 … 20 (120 x)	210-333/500-003	100
◯ 21 … 30 (120 x)	210-333/500-004	100
◯ 31 … 40 (120 x)	210-333/500-005	100
◯ 41 … 50 (120 x)	210-333/500-006	100
◯ 51 … 60 (120 x)	210-333/500-007	100
◯ 61 … 70 (120 x)	210-333/500-008	100
◯ 71 … 80 (120 x)	210-333/500-009	100
◯ 81 … 90 (120 x)	210-333/500-010	100
◯ 91 … 100 (120 x)	210-333/500-011	100
◯ 1 … 50 (20 x)	210-333/500-021	100
◯ L1 (1440 x)	210-333/500-074	100
◯ L2 (1440 x)	210-333/500-075	100
◯ L3 (1440 x)	210-333/500-076	100
◯ N (1440 x)	210-333/500-077	100
◯ PE (1440 x)	210-333/500-078	100
◯ PEN (1440 x)	210-333/500-079	100
◯ only grid spacing	210-333/500-001	100

Marking strip ▸ for 4-conductor terminal strips (260 Series)		
◯ 1 … 10 (80 x)	210-333/800-002	100
◯ 11 … 20 (80 x)	210-333/800-003	100
◯ 21 … 30 (80 x)	210-333/800-004	100
◯ 31 … 40 (80 x)	210-333/800-005	100
◯ 41 … 50 (80 x)	210-333/800-006	100
◯ 51 … 60 (80 x)	210-333/800-007	100
◯ 61 … 70 (80 x)	210-333/800-008	100
◯ 71 … 80 (80 x)	210-333/800-009	100
◯ 81 … 90 (80 x)	210-333/800-010	100
◯ 91 … 100 (80 x)	210-333/800-011	100
◯ 1 … 40 (20 x)	210-333/800-209	100
◯ L1 (880 x)	210-333/800-074	100
◯ L2 (880 x)	210-333/800-075	100
◯ L3 (880 x)	210-333/800-076	100
◯ N (880 x)	210-333/800-077	100
◯ PE (880 x)	210-333/800-078	100
◯ PEN (880 x)	210-333/800-079	100
◯ only grid spacing	210-333/800-001	100

PU = packaging unit; SPU = subpackaging unit

Marking Card ▸ Self-Adhesive Marking Strips



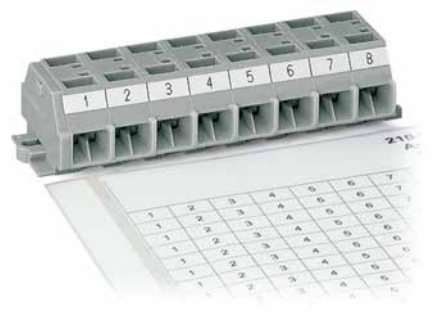
- Horizontal marking
- Strip length: 182 mm
- Strip height: 6 mm

Marking strip ▸ as DIN A4 sheet ▸ for 2-conductor terminal strips (261 Series)		
Marking	Item No.	Pack. Unit
◯ 1 … 12 (80 x)	210-333/600-103	100
◯ 13 … 24 (80 x)	210-333/600-104	100
◯ 25 … 36 (80 x)	210-333/600-105	100
◯ 37 … 48 (80 x)	210-333/600-106	100
◯ 41 … 50 (80 x)	210-333/600-006	100
◯ 51 … 60 (80 x)	210-333/600-007	100
◯ 61 … 70 (80 x)	210-333/600-008	100
◯ 71 … 80 (80 x)	210-333/600-009	100
◯ 81 … 90 (80 x)	210-333/600-010	100
◯ 91 … 100 (80 x)	210-333/600-011	100
◯ 1 … 50 (20 x)	210-333/600-021	100
◯ L1 (1200 x)	210-333/600-074	100
◯ L2 (1200 x)	210-333/600-075	100
◯ L3 (1200 x)	210-333/600-076	100
◯ N (1200 x)	210-333/600-077	100
◯ PE (1200 x)	210-333/600-078	100
◯ PEN (1200 x)	210-333/600-079	100
◯ only grid spacing	210-333/600-001	100

Marking strip ▸ for 4-conductor terminal strips (261 Series)		
◯ 1 … 16 (40 x)	210-333/1000-202	100
◯ 17 … 32 (40 x)	210-333/1000-204	100
◯ 33 … 48 (40 x)	210-333/1000-206	100
◯ 49 … 64 (40 x)	210-333/1000-110	100
◯ 65 … 80 (40 x)	210-333/1000-111	100
◯ 81 … 96 (40 x)	210-333/1000-112	100
◯ 97 … 112 (40 x)	210-333/1000-113	100
◯ 1 … 36 (20 x)	210-333/1000-208	100
◯ L1 (720 x)	210-333/1000-074	100
◯ L2 (720 x)	210-333/1000-075	100
◯ L3 (720 x)	210-333/1000-076	100
◯ N (720 x)	210-333/1000-077	100
◯ PE (720 x)	210-333/1000-078	100
◯ PEN (720 x)	210-333/1000-079	100
◯ only grid spacing	210-333/1000-001	100

PU = packaging unit; SPU = subpackaging unit

Marking Card ▸ Self-Adhesive Marking Strips



- Horizontal marking
- Strip length: 182 mm
- Strip height: 6 mm

Marking strip ▸ as DIN A4 sheet ▸ for 2-conductor terminal strips (262 Series)		
Marking	Item No.	Pack. Unit
◯ 1 … 20 (40 x)	210-333/700-020	100
◯ 21 … 40 (40 x)	210-333/700-108	100
◯ 41 … 60 (40 x)	210-333/700-109	100
◯ 1 … 50 (20 x)	210-333/700-021	100
◯ L1 (1040 x)	210-333/700-074	100
◯ L2 (1040 x)	210-333/700-075	100
◯ L3 (1040 x)	210-333/700-076	100
◯ N (1040 x)	210-333/700-077	100
◯ PE (1040 x)	210-333/700-078	100
◯ PEN (1040 x)	210-333/700-079	100
◯ only grid spacing	210-333/700-001	100

Marking strip ▸ for 4-conductor terminal strips (262 Series)		
◯ 1 … 12 (40 x)	210-333/1200-103	100
◯ 13 … 24 (40 x)	210-333/1200-104	100
◯ 25 … 36 (40 x)	210-333/1200-105	100
◯ 37 … 48 (40 x)	210-333/1200-106	100
◯ 49 … 60 (40 x)	210-333/1200-107	100
◯ 1 … 24 (20 x)	210-333/1200-203	100
◯ L1 (600 x)	210-333/1200-074	100
◯ L2 (600 x)	210-333/1200-075	100
◯ L3 (600 x)	210-333/1200-076	100
◯ N (600 x)	210-333/1200-077	100
◯ PE (600 x)	210-333/1200-078	100
◯ PEN (600 x)	210-333/1200-079	100
◯ only grid spacing	210-333/1200-001	100

PU = packaging unit; SPU = subpackaging unit

PU = packaging unit; SPU = subpackaging unit

Group Marker Carrier and Marker Carrier
TOPJOB® S

2009-193 Group Marker Carrier (equipped with marking strips) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks.
Do not use on an end plate!

Group marker carrier ▸ snap-on type for jumper slot ▸ gray		
	Item No.	Pack. Unit
◯ 5 mm wide	2009-191	50 (25)
◯ 10 mm wide	2009-192	50 (25)
◯ 15 mm wide	2009-193	50 (25)

Marker carrier ▸ for lateral marker slots ▸ 5 mm wide		
Color	Item No.	Pack. Unit
◯ gray	2009-198	200 (25)

Group marker carrier ▸ snap-on type for jumper slot ▸ gray		
◯ 10 mm wide	2009-196	50 (25)

Using marker carriers for marking strips (Item No. 2002-161) in jumper slots.

Marker carrier ▸ for jumper slots of double-deck, double-disconnect terminal blocks (2002 Series) ▸ 5 mm wide		
Color	Item No.	Pack. Unit
◯ gray	2002-160	50 (25)

Marker carrier ▸ for jumper slots (2002 Series) ▸ 5 mm wide		
Color	Item No.	Pack. Unit
◯ gray	2002-161	100 (25)

Using marker carriers for marking strips (Item No. 2009-198) in lateral marker slots.

6

PU = packaging unit; SPU = subpackaging unit

Multilevel Marker Carrier
TOPJOB® S

Double-deck marker carrier ▸ pivoting		
Color	Item No.	Pack. Unit
gray	2000-121	50 (25)

Double-deck marker carrier ▸ pivoting		
Color	Item No.	Pack. Unit
gray	2002-121	50 (25)

Triple-deck marker carrier ▸ pivoting		
Color	Item No.	Pack. Unit
gray	2002-131	50 (25)

Double-deck terminal blocks:
A double-deck marker carrier (Item No. 2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

6

PU = packaging unit; SPU = subpackaging unit

Group Marker Carriers (Adjustable in Height) and Laterally Movable Marking System

Group marker carrier ▸ fits into jumper slot of rail-mount terminal blocks ▸ for terminal block width 4 … 6 mm ▸ for up to 3 WMB markers or 8 branch markers ▸ 15 mm wide

Color	Item No.	Pack. Unit
gray	209-140	50 (25)

Group marker carrier ▸ fits into jumper slot of rail-mount terminal blocks ▸ for up to 2 WMB markers or 5 branch markers ▸ 10 mm wide

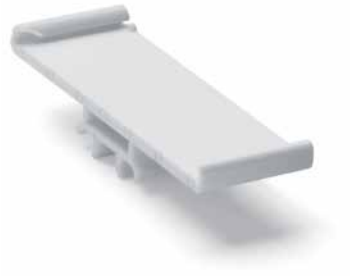
Color	Item No.	Pack. Unit
gray	209-141	50 (25)

Group marker carrier ▸ fits into jumper slot of rail-mount terminal blocks ▸ for up to 1 WMB markers or 2 branch markers ▸ 5 mm wide

Color	Item No.	Pack. Unit
gray	209-142	50 (25)

Group marker carrier; snaps onto screwless 249-116 and 249-117 End Stops (center or side mounting); 10 mm wide

Color	Item No.	Pack. Unit
white	209-112	50 (25)



Group marker carrier; for WMB and Mini-WSB marker slots; 10 mm wide

Color	Item No.	Pack. Unit
white	209-145	100 (25)

Accessories; item-specific

Marker; from white cardboard; for self-marking; 100 markers/sheet

white	209-113	1

Selbstklebeschild; zum Selbstbeschriften; 7 x 25 Stück/ Bogen

white	210-345	1

Schutzstreifen

transparent	209-114	50

Group marker carriers (Item No. 209-141 and Item No. 209-112)

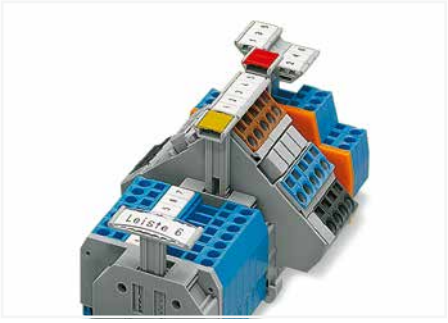
Group marking on N-busbar carrier used as an end stop

Group marker carrier (Item No. 209-145)

6

PU = packaging unit; SPU = subpackaging unit

Group Marker Carriers (Adjustable in Height) and Laterally Movable Marking System



Receptacles for:
1 x marker
2 x WMB Multi marker or
1 x WFB continuous marking strip

Height-adjustable group marker carrier ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 43.5 to 59.5 mm ▸ for 1 marker or self-adhesive marker and transparent protection cover ▸ 10 mm wide

Color	Item No.	Pack. Unit
gray	249-119	50 (25)

Height-adjustable group marker carrier ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 43.5 to 59.5 mm ▸ for 2 WMB markers or 1 continuous strip ▸ 10 mm wide

Color	Item No.	Pack. Unit
gray	249-118	100 (25)

Height-adjustable group marker carrier ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 42.2 to 58.2 mm ▸ with marking surface ▸ 6 mm wide

Color	Item No.	Pack. Unit
white	249-120	50 (25)

Height-adjustable group marker carrier ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117), adjustable in height from 45 to 61 mm ▸ for 9 WMB markers or 1 marking strip TOPJOB® S ▸ 12.2 mm wide

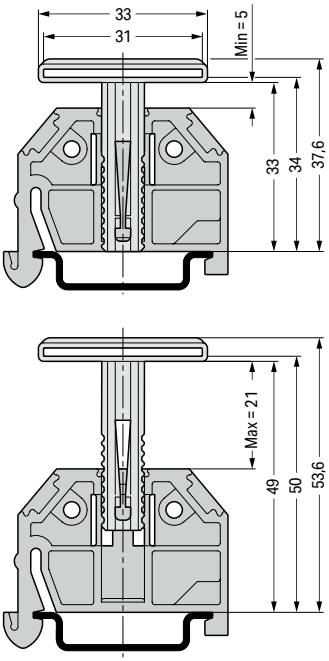
Color	Item No.	Pack. Unit
gray	2009-163	50 (25)

Carrier-through element ▸ height-adjustable ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117)

Color	Item No.	Pack. Unit
gray	709-118	50 (25)

Carrier-end element ▸ height-adjustable ▸ snaps onto end stops (Item No. 249-116 and Item No. 249-117)

Color	Item No.	Pack. Unit
gray	709-119	50 (25)



Accessories; item-specific

Marking strip receptacle; folded; 1 m long; 16 mm wide; 1.7 mm thick

transparent 709-120 1

Marking card; with 14 marking strips; DIN A4

709-193 1

Height adjustable group marker carrier (Item No. 2009-163) for marking strips (Item No. 2009-110)

This laterally movable marking system can be used as an additional group marker carrier or continuous marking strip carrier for terminal strips or single-deck rail-mount terminal blocks, e.g., for:
- DIN-35 rail-mount terminal strips (264 Series)
- Single-deck rail-mount terminal blocks (279 to 284 Series) with a maximum height of 49 mm (1.93 inch) from upper-edge of DIN-rail (please observe conductor radius)

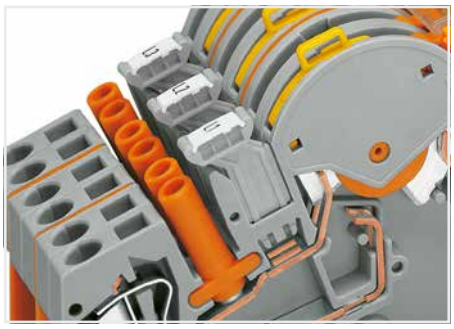
PU = packaging unit; SPU = subpackaging unit

Group Marker Carrier and Double Marker Carrier

Group marker carrier ▸ angled ▸ e.g., for transformer terminal blocks (282 Series)		
Color	Item No.	Pack. Unit
gray	209-144	50 (25)

Double marker carrier ▸ for center I/O module marking ▸ for WSB and WMB marking systems ▸ 4 mm wide		
Color	Item No.	Pack. Unit
gray	209-128	200 (100)

Group marker carrier ▸ straight ▸ e.g., for 2- and 3-conductor terminal blocks (282 Series)		
gray	209-143	50 (25)



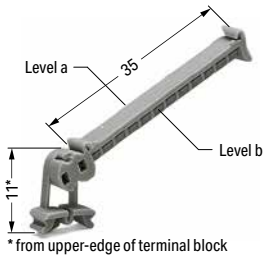
This group marker carrier (209-144) makes it possible to mark subgroups in confined places. They can be snapped into unused jumper contact slots of the terminal block housing. Labeling is performed via WMB Multi markers.

Snapping a WMB marker strip into the marker slot of the double marker carrier.

6

PU = packaging unit; SPU = subpackaging unit

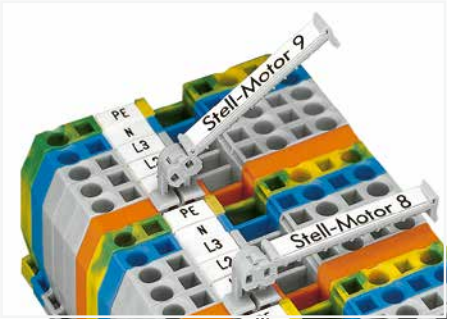
Group Marker Carrier (Pivoting)



* from upper-edge of terminal block

Pivoting group marker carrier		
Color	Item No.	Pack. Unit
gray	249-105	50 (25)

Zubehör; artikelspezifisch			
Marker; 4 x 30 markers/sheet			
	white	209-183	1
Protective marker cover			
	transparent	209-184	50



This pivoting group marker carrier has been developed for group marking of rail-mount terminal blocks and incorporates many customer requirements.

- Can be used in all multiprofile marker slots for rail-mount terminal bocks from 5 mm (0.197 inch) on or in spacer housings as shown above.
- Pivotable in seven different stable positions, providing the best visual angle in case of difficult mounting conditions

PU = packaging unit; SPU = subpackaging unit

Shield Connection System
790 Series
Installation

Carrier with grounding foot* (Item no. 790-113), 45 mm long, busbar 90° to the rail

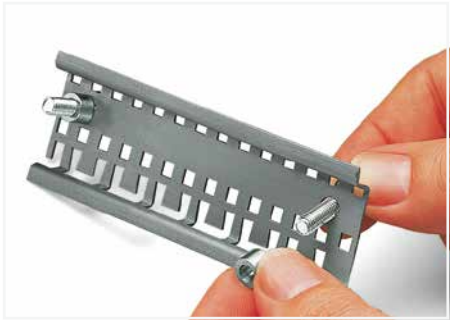
*for all shield clamping saddle sizes

Carrier with grounding foot* (Item no. 790-114), 45 mm long, busbar parallel to the rail

*for all shield clamping saddle sizes

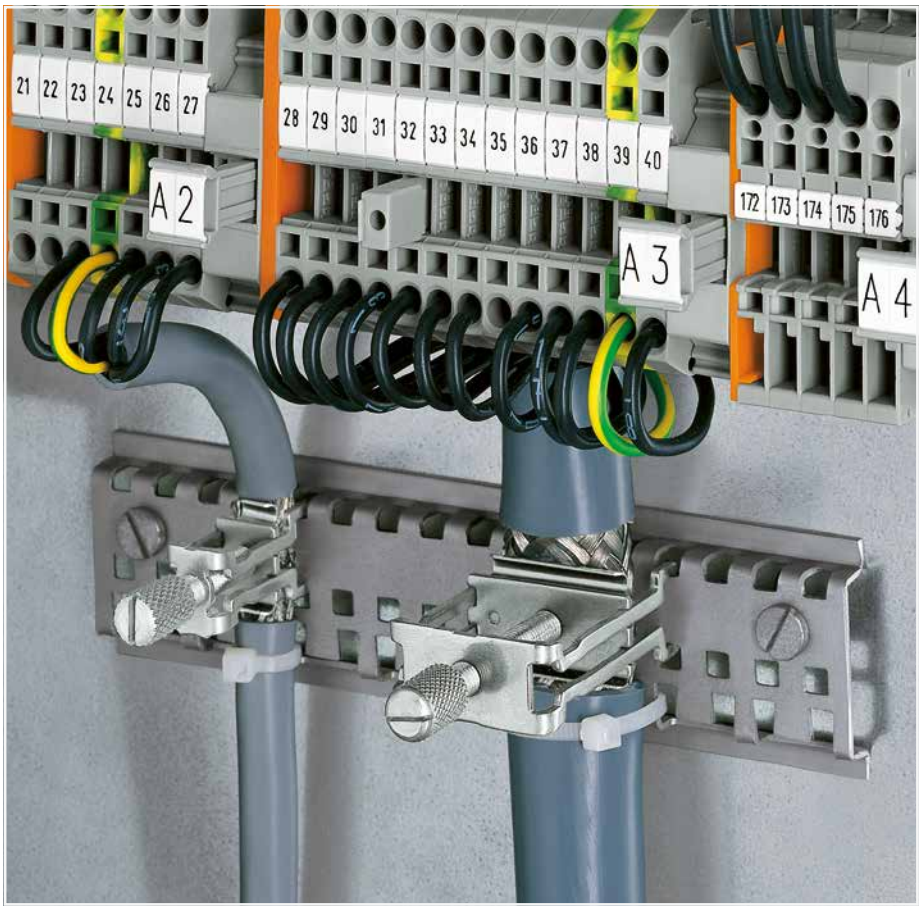
Carrier with grounding foot* (Item no. 790-115), 125 mm long, busbar parallel to the rail

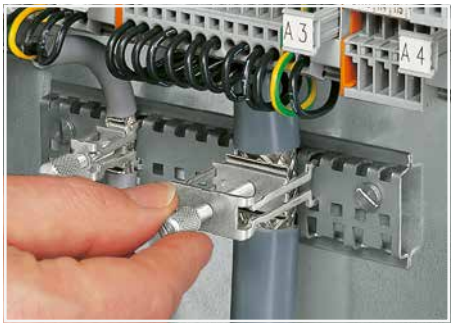
*for all shield clamping saddle sizes



Securing a spacer sleeve to a specialty slotted DIN-rail.

Securing an additional shield clamping saddle.





Tightening/removing a shield clamping saddle.

After connection, tighten the knurled screw to complete the installation.
Recommended tightening torque: 0.5 Nm

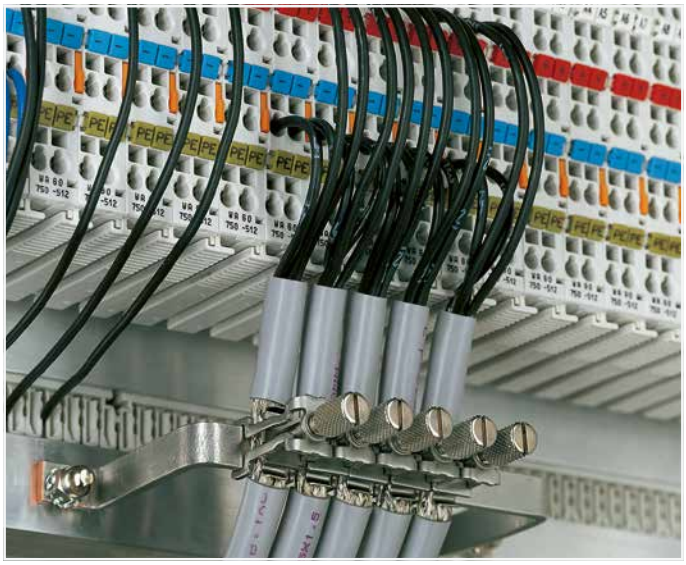
To remove the clamping saddle, unscrew until ratcheted mechanism is released, then slightly tip saddle and remove the clamping saddle.

6

Shield Connection System
790 Series
Installation

Carrier with grounding foot – busbar parallel to the rail

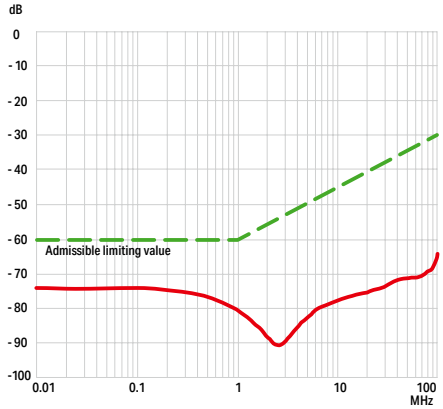
Insulated mounting carriers for a common shield reference potential, independent of housing potential



U-shaped (10 x 3) mm copper busbar

Snap shield clamping saddles into any metal plate (max. thickness: 3 mm).

Negative Shield Attenuation

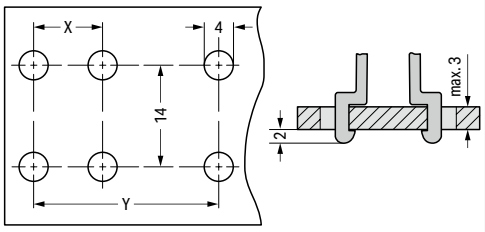


The shield connection system is highly effective because the clamping unit can be brought very close to the unshielded part of the cable.

Hole Dimensions for Panel Mounting

Shield (screen) clamping saddle size

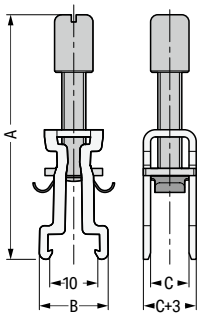
Distance	X
11 mm	9.5 mm
Distance	Y
19 mm	17.5 mm
27 mm	25.5 mm
43 mm	41.5 mm



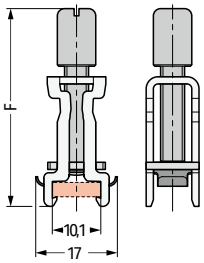
Additionally, the spring material is part of the clamping saddle, providing a good electrical connection (the system also acts as a partial strain relief). The spring element integrated in the shield clamping saddle compensates for deformation and settling that results from a connected shield.

Shield Clamping Saddles
790 Series

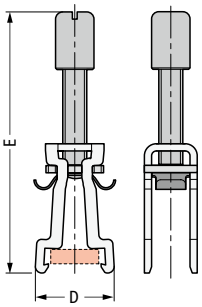
Installation position (delivery state)



Closed position



Removal position



Dimensions in mm

Item No.	A	B	C	D	E	F
790-108	51	15	8	16	55	42
790-116	53	15	16	16	57	45
790-124	78	15	24	16	83	58
790-140	97	15	40	16	100	73

Shield clamping saddle ▸ 11 mm wide ▸ Connectable shield diameter: 3 … 8 mm
Note: Cannot be used for connecting ground conductors!

Item No.	PU
790-108	50 (10)

Shield clamping saddle ▸ 19 mm wide ▸ Connectable shield diameter: 7 … 16 mm
Note: Cannot be used for connecting ground conductors!

Item No.	PU
790-116	50 (10)

Shield clamping saddle ▸ 27 mm wide ▸ Connectable shield diameter: 6 … 24 mm
Note: Cannot be used for connecting ground conductors!

Item No.	PU
790-124	50 (10)

Accessories; for Shield Clamping Saddles

Carrier with grounding foot; Busbar parallel to the rail; 15 mm long; Copper (10 x 3) mm; for shield clamping saddles (790-108)

790-110 25

Carrier with grounding foot; Busbar parallel to the rail; 25 mm long; Copper (10 x 3) mm; for shield clamping saddles (790-108; 790-116) and shield clamps (791-111; 791-117)

790-112 25

Carrier with grounding foot; Busbar 90° to the DIN-rail; 45 mm long; Copper (10 x 3) mm; for shield clamping saddles (790 Series)

790-113 25

Carrier with grounding foot; Busbar parallel to the DIN-rail; 45 mm long; Copper (10 x 3) mm; for shield clamping saddles (790 Series) and shield clamps (791 Series)

790-114 25

Carrier with two grounding feet; Busbar parallel to the DIN-rail; 125 mm long; Copper (10 x 3) mm

790-115 25

DIN-rail; specialty slotted; 1000 mm long; tin-plated

790-145

Spacer sleeve; steel; for DIN-rail; specialty slotted; for M5-size screw;

790-144 200 (100)

Insulated mounting foot; for busbar with M4 x 8 mm screw

790-100 50 (25)

Insulated mounting foot; for busbar with (3.5 x 9) mm sheet metal screw

790-101 50 (25)

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

210-133 1

Busbar; tin-plated; 30 mm long; copper (10 x 3) mm

790-133 20

Busbar; tin-plated; 50 mm long; copper (10 x 3) mm

790-134 20

U-shaped busbar; Copper (10 x 3) mm; for 5 I/O; for 750 Series I/O Modules

790-190 25 (5)

U-shaped busbar; Copper (10 x 3) mm; for 8 I/O; for 750 Series I/O Modules

790-191 25

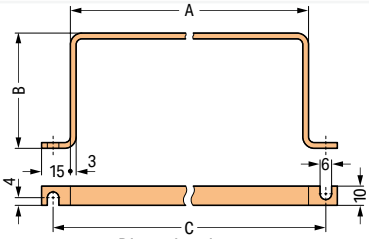
U-shaped busbar; Copper (10 x 3) mm; for 5 I/O; for 750 Series I/O Modules

790-192 25

U-shaped busbar; Copper (10 x 3) mm; for 8 I/O; for 750 Series I/O Modules

790-193 25

PU = packaging unit; SPU = subpackaging unit



Dimensions in mm

Item No.	A	B	C	Item No.	A	B	C
for I/O module series 750 (5 E/A)							
790-190	63	60	83	**790-192**	63	35	83
for I/O module series 750 (8 E/A)							
790-191	100	60	118	**790-193**	100	35	118

Shield clamping saddle ▶ 43 mm wide ▶ Connectable shield diameter: 22 … 40 mm
Note: Cannot be used for connecting ground conductors!

	Item No.	PU
	790-140	50 (10)

Carrier with grounding foot* (Item no. 790-114), 45 mm long, busbar parallel to the rail

*for all shield clamping saddle sizes

Carrier with grounding foot* (Item no. 790-115), 125 mm long, busbar parallel to the rail

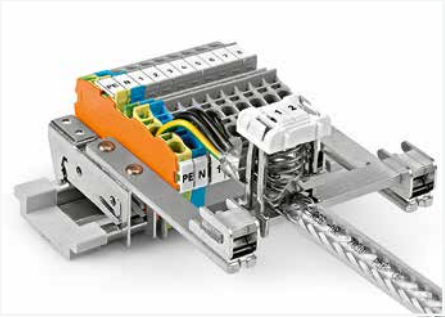
*for all shield clamping saddle sizes

6

PU = packaging unit; SPU = subpackaging unit

Spring-Equipped Shield Clamping Saddles
790 Series
Installation

Shield clamping saddles are available in three different sizes for shield diameters ranging from 3 to 20 mm.



Application example

Compress the clamping saddle until fully engaged.

Mounting a clamping saddle on a specialty slotted DIN-rail (790-145).
When releasing the saddle, do not place your finger under the clamping spring!

Removing the shield clamping saddle.

Shield clamping saddle contacts shield conductor and specialty slotted DIN-rail (Item no. 790-145).

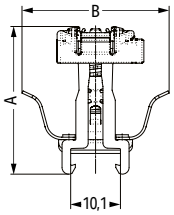
Labeling using a marking strip.

Labelling using WMB markers.

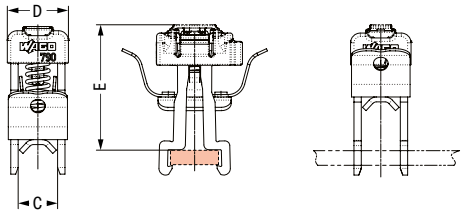
6

Spring-Equipped Shield Clamping Saddles
790 Series

Delivery position



Mounting position



Dimensions in mm

Item No.	A	B	C	D	E*
790-208	30	29.9	8	12.4	25.8
790-216	34.6	28.3	16	21.8	30.2
790-220	45.6	28.3	24	30	41.2

*Height with WMB marker

Shield clamping saddle ▸ 12.4 mm wide ▸ Connectable shield diameter: 3 … 8 mm
Note: Cannot be used for connecting ground conductors and strain relief!

Item No.	PU
790-208	50

Shield clamping saddle ▸ 21.8 mm wide ▸ Connectable shield diameter: 6 … 16 mm
Note: Cannot be used for connecting ground conductors and strain relief!

Item No.	PU
790-216	25

Shield clamping saddle ▸ 30 mm wide ▸ Connectable shield diameter: 6 … 20 mm
Note: Cannot be used for connecting ground conductors and strain relief!

Item No.	PU
790-220	25

Accessories; for Shield Clamping Saddles

Carrier with grounding foot; Busbar parallel to the rail; 15 mm long; Copper (10 x 3) mm; for shield clamping saddles (790-108)

790-110 25

Carrier with grounding foot; Busbar parallel to the rail; 25 mm long; Copper (10 x 3) mm; for shield clamping saddles (790-108; 790-116) and shield clamps (791-111; 791-117)

790-112 25

Carrier with grounding foot; Busbar 90° to the DIN-rail; 45 mm long; Copper (10 x 3) mm; for shield clamping saddles (790 Series)

790-113 25

Carrier with grounding foot; Busbar parallel to the DIN-rail; 45 mm long; Copper (10 x 3) mm; for shield clamping saddles (790 Series) and shield clamps (791 Series)

790-114 25

Carrier with two grounding feet; Busbar parallel to the DIN-rail; 125 mm long; Copper (10 x 3) mm

790-115 25

DIN-rail; specialty slotted; 1000 mm long; tin-plated

790-145

Spacer sleeve; steel; for DIN-rail; specialty slotted; for M5-size screw;

790-144 200 (100)

Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

210-133 1

Busbar; tin-plated; 30 mm long; copper (10 x 3) mm

790-133 20

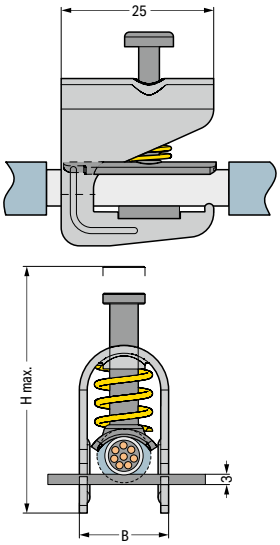
Busbar; tin-plated; 50 mm long; copper (10 x 3) mm

790-134 20

PU = packaging unit; SPU = subpackaging unit

Shield Clamp and Shield Termination
791 and 709 Series

Insert the shield termination into the female plug using the operating tool.



Fit the shield termination to the shield cable.

Shield clamp ▸ Connectable shield diameter: 1.5 … 6.5 mm ▸ Height (max.): 40 mm ▸ 10 mm wide
Note: Cannot be used for connecting ground conductors!

	Item No.	PU
	791-107	50

Shield clamp ▸ Connectable shield diameter: 5 … 11 mm ▸ Height (max.): 47 mm ▸ 17 mm wide
Note: Cannot be used for connecting ground conductors!

	791-111	50

Shield clamp ▸ Connectable shield diameter: 10 … 17 mm ▸ Height (max.): 63 mm ▸ 23 mm wide
Note: Cannot be used for connecting ground conductors!

	791-117	50

Shield clamp ▸ Connectable shield diameter: 16 … 24 mm ▸ Height (max.): 78 mm ▸ 30 mm wide
Note: Cannot be used for connecting ground conductors!

	791-124	50

Shield termination ▸ includes cable ties for 5 … 10 mm shield diameter ▸ 60 mm long

	Item No.	PU
	709-350	100 (25)

Shield termination ▸ includes cable ties for 5 … 10 mm shield diameter ▸ 150 mm long

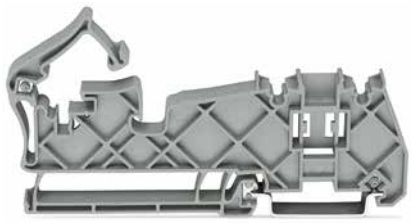
	709-352	100 (25)

Secure both shield cable and shield termination to the strain relief plate using cable ties.

Shield termination connected to an X-COM® female plug

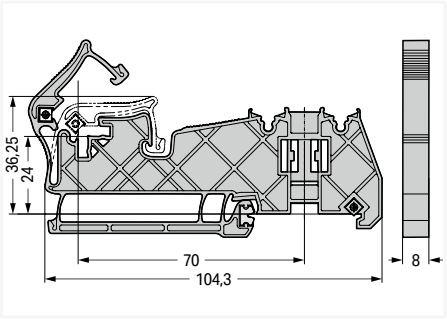
PU = packaging unit; SPU = subpackaging unit

Busbar Carriers
790 Series



Snapping the busbar carrier onto DIN-35 rail.

Vertical mounting position of the busbar



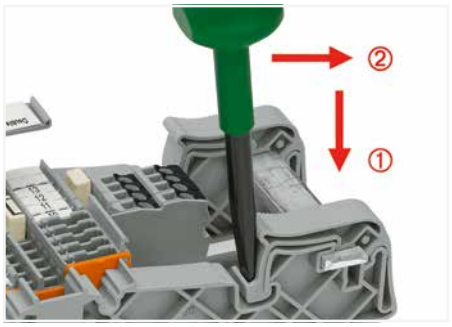
Busbar carrier; for (10 x 3) mm copper busbars ▶ no contact to DIN-rail ▶ insulated

	Item No.	PU
	790-400	20

Place the busbar in the carrier holder.

Horizontal mounting position of the busbar

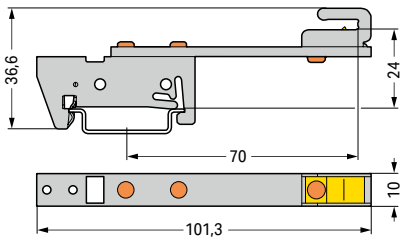
Snap the mounting bracket into position.



Release the mounting bracket by pushing the operating tool down ① and then forward ②.

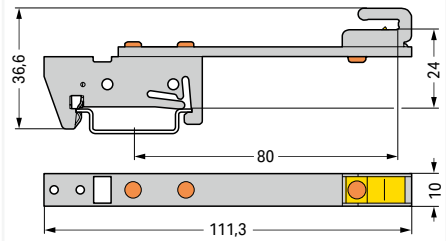
PU = packaging unit; SPU = subpackaging unit

Busbar Carriers
790 Series



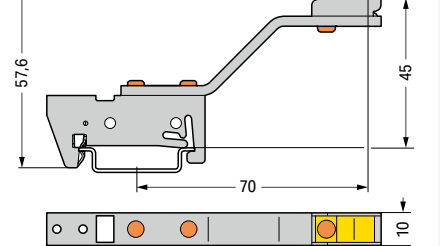
Busbar carrier ▸ for (10 x 3) mm copper busbars ▸ single side ▸ straight ▸ 70 mm between center of DIN-rail and busbar carrier

	Item No.	PU
	790-300	10



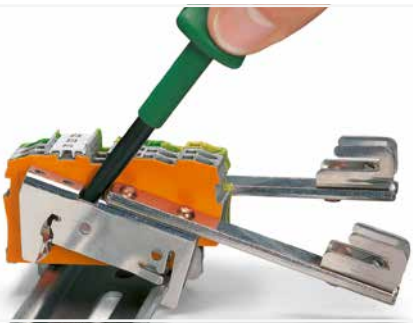
Busbar carrier ▸ for (10 x 3) mm copper busbars; single side ▸ straight ▸ 80 mm between center of DIN-rail and busbar carrier

	Item No.	PU
	790-302	10

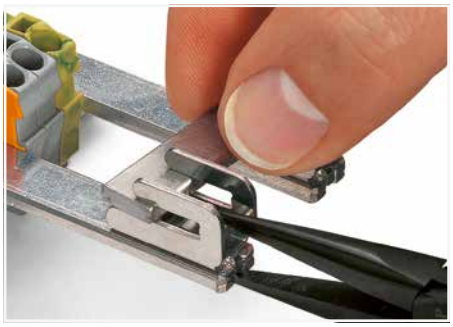


Busbar carrier ▸ for (10 x 3) mm copper busbars ▸ single side ▸ angled ▸ 70 mm between center of DIN-rail and busbar carrier

	Item No.	PU
	790-301	10



Remove the busbar carrier using an operating tool (type 3, 5.5 x 0.8 mm blade).



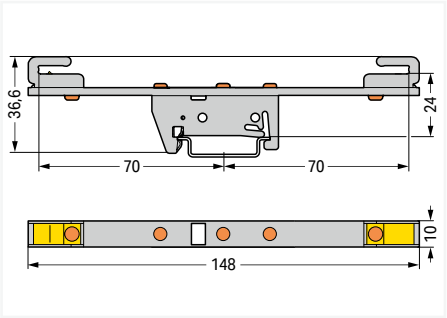
To remove the busbar, compress the spring using pliers.

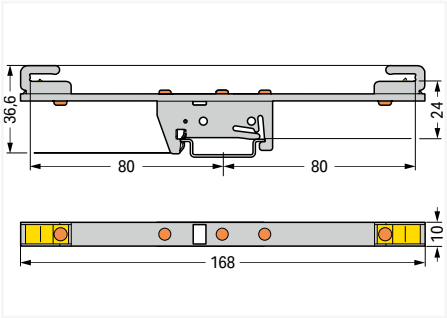
Place the busbar in the busbar carrier.

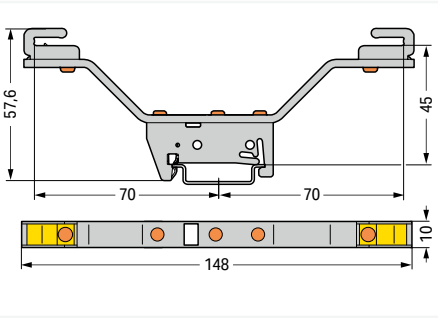
6

PU = packaging unit; SPU = subpackaging unit

Busbar Carriers
790 Series



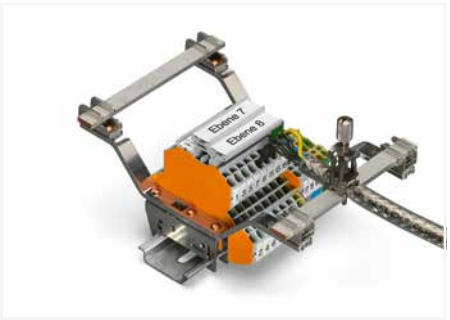




Busbar carrier ▸ for (10 x 3) mm copper busbars ▸ both sides ▸ straight ▸ 70 mm between center of DIN-rail and busbar carrier		
	Item No.	PU
	790-310	10

Busbar carrier ▸ for (10 x 3) mm copper busbars ▸ both sides ▸ straight ▸ 80 mm between center of DIN-rail and busbar carrier		
	Item No.	PU
	790-312	10

Busbar carrier ▸ for (10 x 3) mm copper busbars ▸ both sides ▸ angled ▸ 70 mm between center of DIN-rail and busbar carrier		
	Item No.	PU
	790-311	10



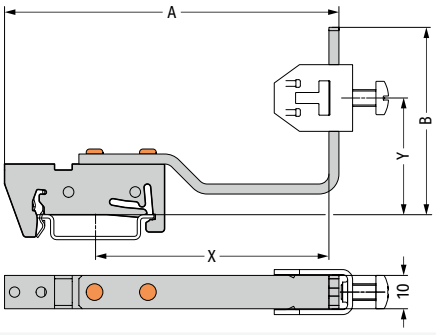
Application example

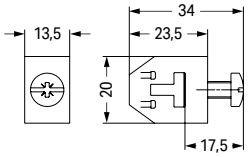
PU = packaging unit; SPU = subpackaging unit

Busbar Carrier with a T-Connector (Flexible) and T-Connector
790 Series

Horizontal mounting position of the busbar

	A	B	X	Y
790-350/790-398	100	56	70	15 ... 52
790-352/790-398	100	99	70	15 ... 92
790-360/790-398	115	56	85	15 ... 52
790-362/790-398	115	99	85	15 ... 92





Vertical mounting position of the busbar

Busbar carrier with a T-connector ▸ flexible ▸ for (10 x 3) mm copper busbars ▸ 70 mm between center of DIN-rail and busbar carrier ▸ 56 mm high

	Item No.	PU
	790-350/790-398	12

T-connector ▸ connects two (10 x 3) mm copper busbars

	Item No.	PU
	790-398	

Busbar carrier with a T-connector ▸ flexible; for (10 x 3) mm copper busbars ▸ 70 mm between center of DIN-rail and busbar carrier ▸ 99 mm high

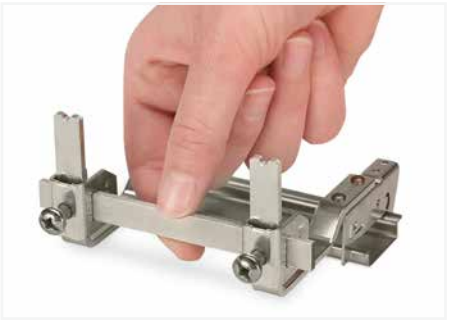
	790-352/790-398	12

Busbar carrier with a T-connector ▸ flexible ▸ for (10 x 3) mm copper busbars ▸ 85 mm between center of DIN-rail and busbar carrier ▸ 56 mm high

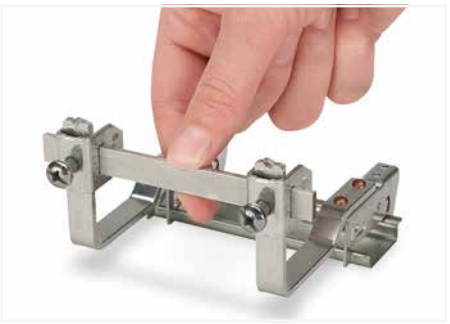
	790-360/790-398	12

Busbar carrier with a T-connector ▸ flexible ▸ for (10 x 3) mm copper busbars ▸ 85 mm between center of DIN-rail and busbar carrier ▸ 99 mm high

	790-362/790-398	12



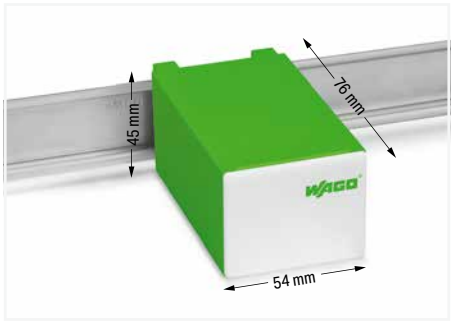
The height of the busbar can be adjusted.



Secure the busbar by tightening the screws at the required position.

PU = packaging unit; SPU = subpackaging unit

Control Cabinet Outlet ▶ for Plug, Type F
709 Series



Technical Data		
Ratings per	DIN VDE 0620-1	
Voltage type	AC	
Rated voltage	250 V	
Rated surge voltage	2 kV	
Rated current	16 A	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Type 2 (3.5 x 0.5) mm blade
Actuation direction	Operation parallel to conductor entry
Connectable conductor materials	Copper
Solid conductor	0.2 … 2.5 mm / 24 … 14 AWG
Stranded conductor	0.2 … 2.5 mm / 24 … 14 AWG
Fine-stranded conductor	0.2 … 2.5 mm / 24 … 14 AWG
Strip length	9 … 10 mm / 0.35 … 0.39 inch
Number of poles	3

Mechanical Data	
Mounting type	DIN-35 rail
Protection type	IP20
Potential marking	L PE N

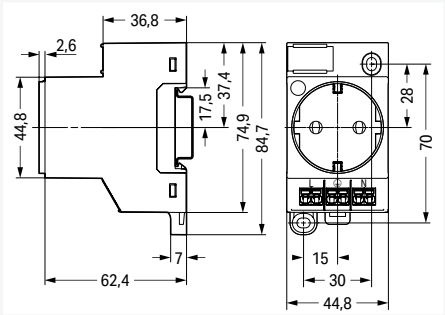
Material Data	
Material group	I
Insulation material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Sn

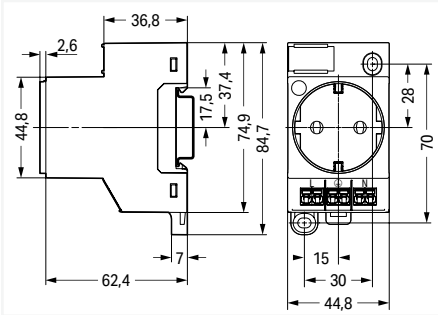
Environmental Requirements	
Continuous operating temperature from	−35 °C
Continuous operating temperature up to	85 °C

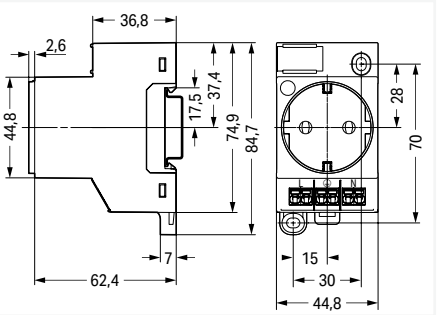
❶ The outlets are available in three colors to identify different circuits:
- 709-581 gray (standard)
- 709-582 yellow (permanently energized)
- 709-583 red (UPS)

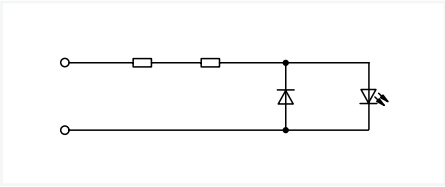
Approvals and corresponding ratings, visit www.wago.com

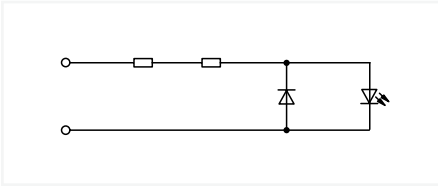
Control Cabinet Outlet ▸ for Plug, Type F
709 Series

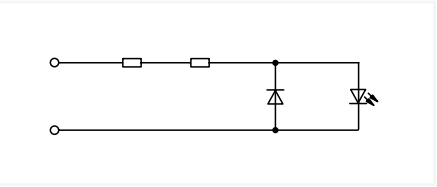








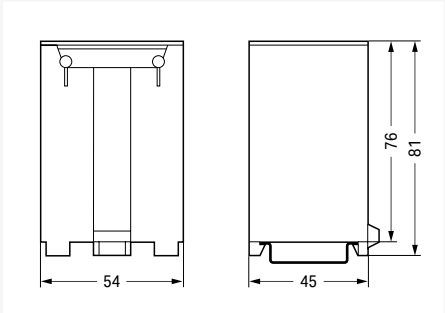




Control cabinet outlet ▸ for DIN-35 rail and screw mounting ▸ for plug, type F, CEE 7/4 (SCHUKO®) ▸ used in Germany, the Netherlands, Austria ▸ with status LED ▸ with Push-in CAGE CLAMP® double connection		
Color	Item No.	Pack. Unit
light gray	709-581	1

Control cabinet outlet ▸ for DIN-35 rail and screw mounting ▸ for plug, type F, CEE 7/4 (SCHUKO®) ▸ used in Germany, the Netherlands, Austria ▸ with status LED ▸ with Push-in CAGE CLAMP® double connection		
Color	Item No.	Pack. Unit
yellow	709-582	1

Control cabinet outlet ▸ for DIN-35 rail and screw mounting ▸ for plug, type F, CEE 7/4 (SCHUKO®) ▸ used in Germany, the Netherlands, Austria ▸ with status LED ▸ with Push-in CAGE CLAMP® double connection		
Color	Item No.	Pack. Unit
red	709-583	1



Switchgear cabinet drawer; DIN-35 rail-mount drawer		
	Item No.	Pack. Unit
	709-591	1

PU = packaging unit; SPU = subpackaging unit

6

Control Cabinet Outlet ▶ for Plug, Type E
709 Series

Technical Data		
Ratings per	DIN VDE 0620-1	
Voltage type	AC	
Rated voltage	250 V	
Rated surge voltage	2 kV	
Rated current	16 A	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Type 2 (3.5 x 0.5) mm blade
Actuation direction	Operation parallel to conductor entry
Connectable conductor materials	Copper
Solid conductor	0.2 … 2.5 mm / 24 … 14 AWG
Stranded conductor	0.2 … 2.5 mm / 24 … 14 AWG
Fine-stranded conductor	0.2 … 2.5 mm / 24 … 14 AWG
Strip length	9 … 10 mm / 0.35 … 0.39 inch
Number of poles	3

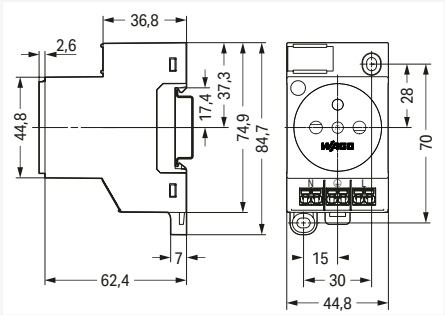
Mechanical Data	
Mounting type	DIN-35 rail
Protection type	IP20
Potential marking	L PE N

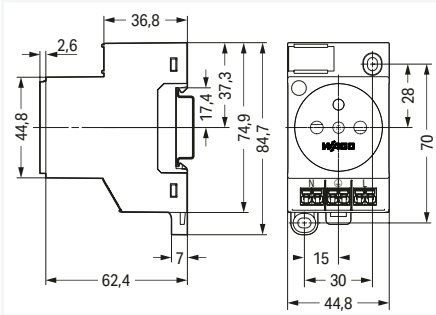
Material Data	
Material group	I
Insulation material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Sn

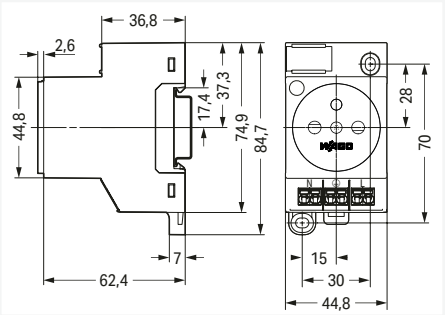
Environmental Requirements	
Continuous operating temperature from	-35 … +85 °C

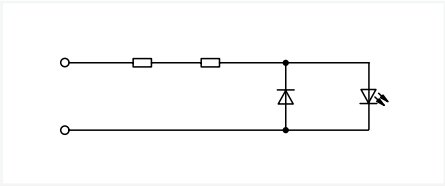
Approvals and corresponding ratings,
visit www.wago.com

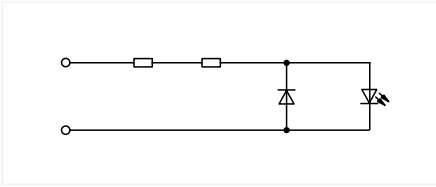
Control Cabinet Outlet ▸ for Plug, Type E
709 Series

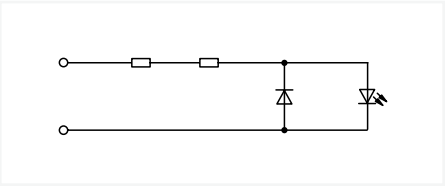












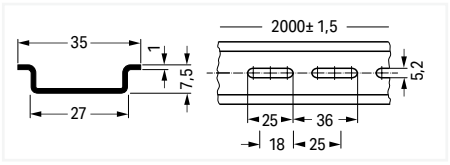
Switchgear cabinet outlet ▸ for DIN-rail and screw mounting ▸ for plug, type E, CEE 7/5 ▸ common in FR, BE, PL ▸ with LED status indicator ▸ with Push-in Cage Clamp double connection		
Color	Item No.	Pack. Unit
○ light gray	709-571	1

Switchgear cabinet outlet ▸ for DIN-rail and screw mounting ▸ for plug, type E, CEE 7/5 ▸ common in FR, BE, PL ▸ with LED status indicator ▸ with Push-in Cage Clamp double connection		
Color	Item No.	Pack. Unit
● yellow	709-572	1

Switchgear cabinet outlet ▸ for DIN-rail and screw mounting ▸ for plug, type E, CEE 7/5 ▸ common in FR, BE, PL ▸ with LED status indicator ▸ with Push-in Cage Clamp double connection		
Color	Item No.	Pack. Unit
● red	709-573	1

PU = packaging unit; SPU = subpackaging unit

DIN-Rail; Rail End Cap; Angled Support Bracket and Collective Jumper Carrier



Steel DIN-rail ▶ I_N 76 A (based on 1 m length) ▶ 35 x 7.5 mm ▶ 1 mm thick ▶ 2 m long ▶ per EN 60715

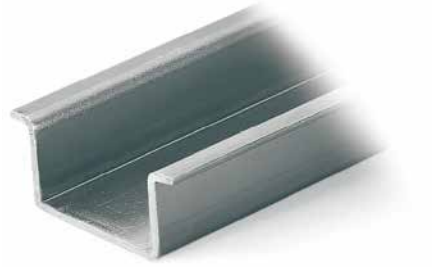
	Item No.	Pack. Unit
unslotted	210-113	10 (1)

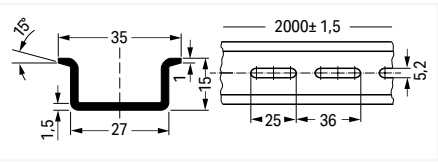
Hole width: 25 mm ▶ Hole spacing: 36 mm

slotted	210-112	10 (1)

Hole width: 18 mm ▶ Hole spacing: 25 mm

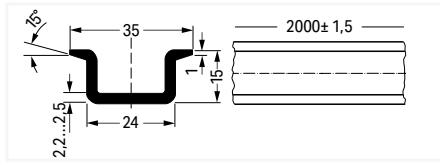
slotted	210-115	1





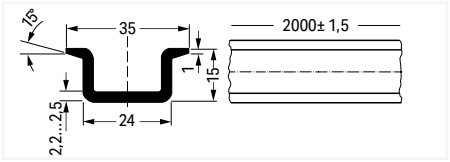
Steel DIN-rail ▶ I_N 125 A (based on 1 m length) ▶ 35 x 15 mm ▶ 1.5 mm thick ▶ 2 m long ▶ similar to EN 60715

	Item No.	Pack. Unit
unslotted	210-114	10 (1)
slotted	210-197	10 (1)



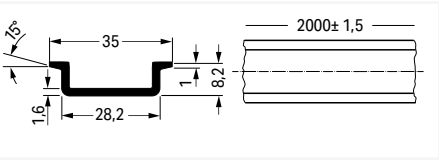
Steel DIN-rail ▶ I_N 125 A (based on 1 m length) ▶ 35 x 15 mm ▶ 2.3 mm thick ▶ 2 m long ▶ per EN 60715

	Item No.	Pack. Unit
unslotted	210-118	10 (1)



Copper DIN-rail ▶ I_N 309 A (based on 1 m length) ▶ 35 x 15 mm ▶ 2.3 mm thick ▶ 2 m long ▶ per EN 60715

	Item No.	Pack. Unit
unslotted	210-198	10 (1)



Aluminum DIN-rail ▶ I_N 76 A (based on 1 m length) ▶ 35 x 8.2 mm ▶ 1.6 mm thick ▶ 2 m long ▶ similar to EN 60715

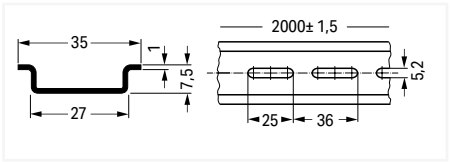
	Item No.	Pack. Unit
unslotted	210-196	20 (1)

Rail end cap ▶ for DIN-35 rail (7.5 mm high)

Color	Item No.	Pack. Unit
◯ gray	209-109	50 (25)

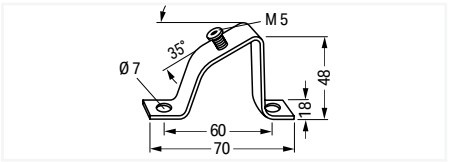
6

PU = packaging unit; SPU = subpackaging unit



Steel DIN-rail ▸ I_N 76 A (based on 1 m length) ▸ 35 x 7.5 mm ▸ 1 mm thick ▸ 2 m long ▸ per EN 60715

	Item No.	Pack. Unit
unslotted	210-505	1
slotted	210-504	1

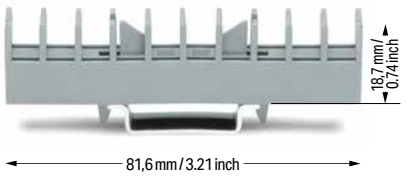


Angled support bracket ▸ without screw

	Item No.	Pack. Unit
	210-148	10

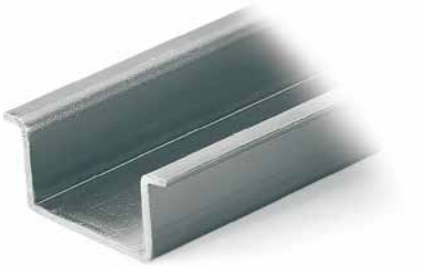
Screw M5 x 8

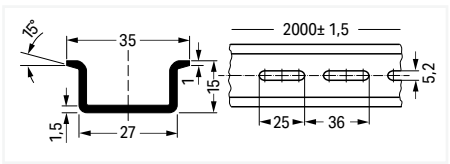
	Item No.	Pack. Unit
	210-149	100 (20)



Collective jumper carrier ▸ for DIN-35 rail ▸ compatible with jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)
The collective carrier can be snapped onto DIN-35 rails. It stores jumpers during maintenance.

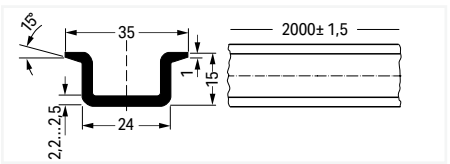
Color	Item No.	Pack. Unit
gray	282-369	25





Steel DIN-rail ▸ I_N 125 A (based on 1 m length) ▸ 35 x 15 mm ▸ 1.5 mm thick ▸ 2 m long ▸ per EN 60715

	Item No.	Pack. Unit
unslotted	210-506	1
slotted	210-508	1



Carrier rail ▸ plastic
Not suited for use with ground terminal blocks!

	Item No.	Pack. Unit
	210-509	10 (1)

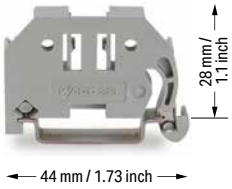
Collective carrier for adjacent jumpers ▸ for DIN-35 rail ▸ for adjacent jumpers (279 to 284 Series) ▸ for banana plugs (215 Series)
The collective carrier can be snapped onto DIN-35 rails. It stores adjacent jumpers and banana plugs during maintenance.

Color	Item No.	Pack. Unit
gray	209-100	50 (25)

6

PU = packaging unit; SPU = subpackaging unit

Screwless End Stop ▸ for DIN-35 Rail
249 Series

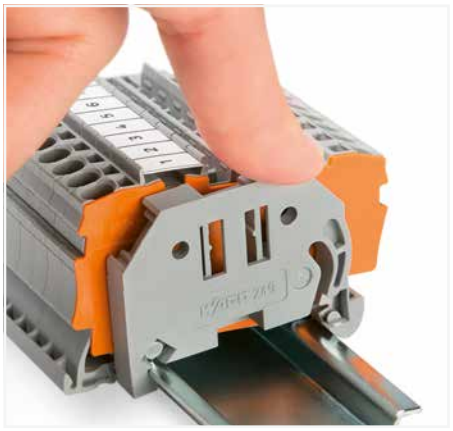


Screwless end stop ▸ for DIN-35 rail ▸ 6 mm wide		
Color	Item No.	Pack. Unit
gray	249-116	100 (25)

Screwless end stop ▸ for DIN-35 rail ▸ 10 mm wide		
gray	249-117	50 (25)

Screwless end stop ▸ for DIN-35 rail ▸ 14 mm wide		
Color	Item No.	Pack. Unit
gray	249-197	10

Simply snap on – that's it!


Simply snap on – that's it!

Simply snap on – that's it!

Removing an end stop from the DIN-rail.

Snap on – that's it! Assembling the WAGO Screwless End Stop is as simple and quick as snapping a rail-mount terminal block onto the rail.

Tool free!

A tool-free design allows rail-mount terminal blocks to be safely and economically secured against any movement on all DIN-35 rails per DIN EN 60715 (35 x 7.5 mm; 35 x 15 mm).

Screwless!

The "secret" to a perfect fit lies in the two small clamping plates which keep the end stop in position, even if the rails are mounted vertically.

Simply snap on – that's it!

In addition, costs are significantly reduced when using large numbers of end stops.

Additional benefit: Three marker slots for all WAGO Rail-Mount Terminal Block Marking Systems and one snap-in hole for WAGO's adjustable height group marker carriers offer individual marking options.

PU = packaging unit; SPU = subpackaging unit

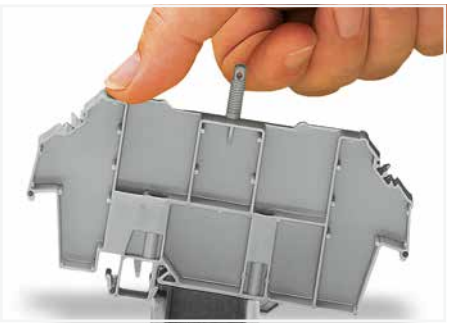
Mounting Foot

Mounting foot ▶ for isolated DIN-35 rail mounting		
Color	Item No.	Pack. Unit
gray	209-106	25

Isolated mounting of a carrier rail in a distribution box for protection class II

PU = packaging unit; SPU = subpackaging unit

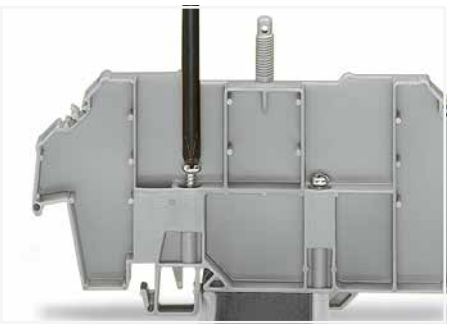
Sealable, Transparent Covers for Rail-Mount Terminal Blocks
709 Series
Description and Installation



Snapping a cover carrier onto the DIN-rail.

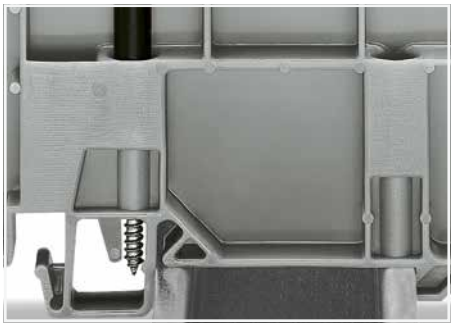
Application example:
Cover (type 1) without safety warning

Application example:
Cover (type 1) with safety warning

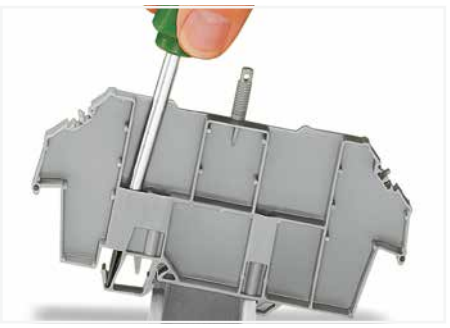


Tightening both securing screw (left) and mounting screw (right).

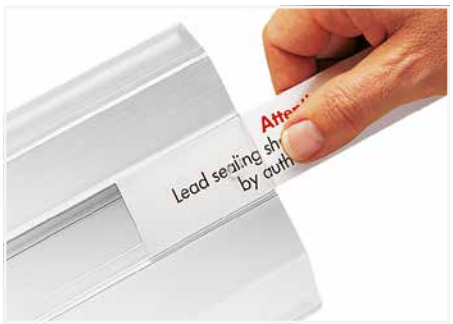
Application example:
Cover (type 2) with safety warning



Securing screw – prevents lifting off from the rail.
Mounting screw – prevents the cover carrier from being moved on the rail.



Removing a cover carrier from the DIN-rail.



Inserting a marking strip into the cover.

Cover with lead seals:
Using covers without lead seals,
the thread dome-head can be broken off.

PU = packaging unit; SPU = subpackaging unit

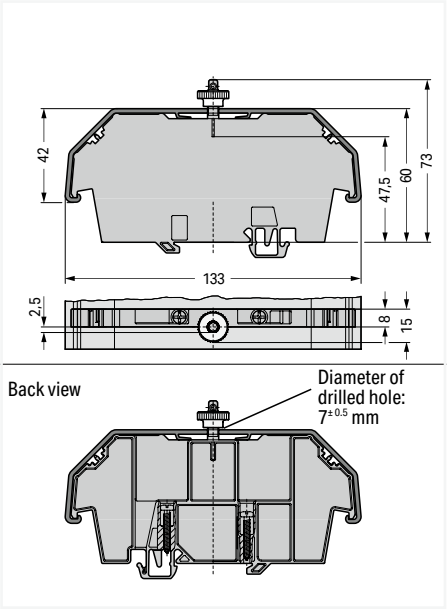
Sealable, Transparent Cover ▸ for Rail-Mount Terminal Blocks
709 Series

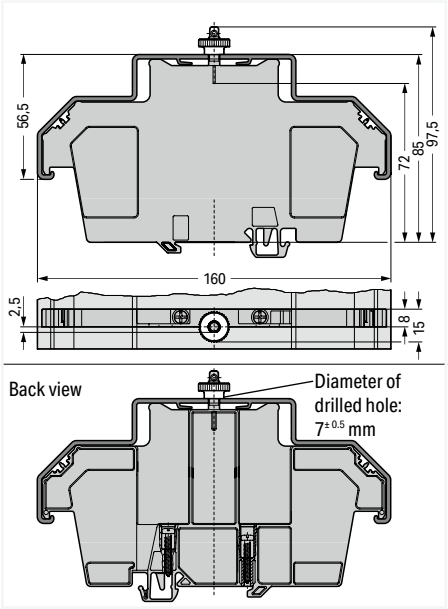
Cover ▸ Type 1 ▸ for cover carrier (type 1) ▸ 1 m long		
Color	Item No.	Pack. Unit
transparent	709-153	10

Cover ▸ Type 2 ▸ for cover carrier (type 2) ▸ 1 m long		
Color	Item No.	Pack. Unit
transparent	709-154	10

Cover carrier ▸ Type 1 ▸ incl. mounting/securing screws and knurled nut ▸ for rail-mount terminal blocks (279 to 282, 880 Series) ▸ for "Mini" rail-mount terminal blocks (264 Series) ▸ for sensor/actuator terminal blocks (270 Series)		
Color	Item No.	Pack. Unit
gray	709-167	10

Cover carrier ▸ Type 2 ▸ incl. mounting/securing screws and knurled nut ▸ for rail-mount terminal blocks (283 to 285 Series) ▸ for double- and triple-deck terminal blocks (279 to 281 Series) ▸ for TOPJOB® rail-mount terminal blocks (780 to 785 and 775 Series) ▸ for sensor/actuator terminal blocks (280 Series) ▸ for disconnect/test terminal blocks for transformer circuits (282 Series)		
Color	Item No.	Pack. Unit
gray	709-168	10





Accessories

Marking card; with 6 marking strips; for group marking or safety instructions

plain	709-183	1

Spare mounting/securing screw; for cover

209-196	200 (25)

Spare knurled nut; for cover

210-549	100 (25)

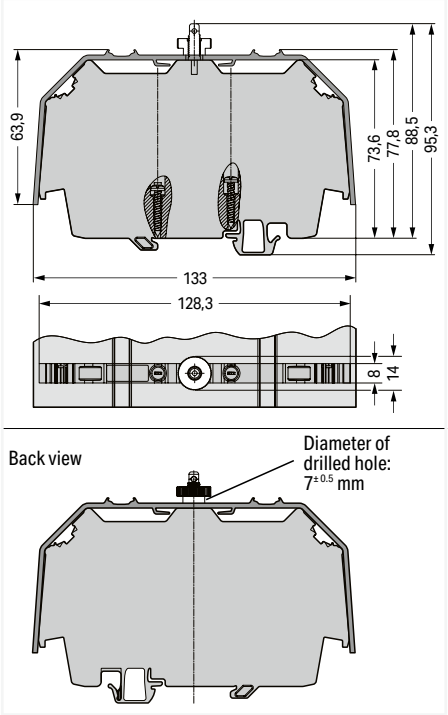
PU = packaging unit; SPU = subpackaging unit

Sealable, Transparent Cover ▸ for Rail-Mount Terminal Blocks
709 Series

Cover ▸ Type 3 ▸ for cover carrier (type 3) ▸ 1 m long		
Color	Item No.	Pack. Unit
transparent	709-156	10

Cover carrier ▸ Type 3 ▸ for rail-mount terminal blocks (2000 to 2016 Series, 2102 to 2116 Series, 2200 to 2216 Series) ▸ for transformer terminal blocks (2007 Series)		
Color	Item No.	Pack. Unit
gray	709-169	10

Dimensions in mm



Accessories

Marking card; with 6 marking strips; for group marking or safety instructions

plain	709-183	1

Marking strip; plain; 11 mm wide; 50 m reel

white	2009-110	1

Spare mounting/securing screw; for cover

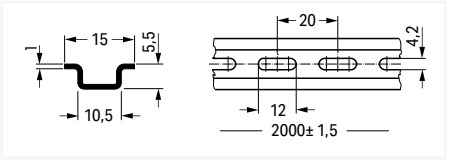
209-196	200 (25)

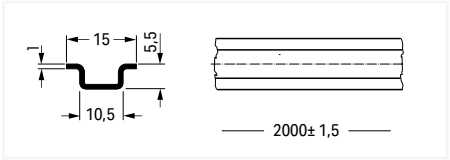
Spare knurled nut; for cover

210-549	100 (25)

PU = packaging unit; SPU = subpackaging unit

DIN-Rail and End Stop ▸ for DIN-15 Rail





Steel DIN-rail ▸ I_N 57 A (based on 1 m length) ▸ 15 x 5.5 mm ▸ 1 mm thick ▸ 2 m long ▸ per EN 60715		
	Item No.	Pack. Unit
slotted	210-111	10 (1)

Steel DIN-rail ▸ I_N 57 A (based on 1 m length) ▸ 15 x 5.5 mm ▸ 1 mm thick ▸ 2 m long ▸ per EN 60715		
	Item No.	Pack. Unit
unslotted	210-295	1

Screwless end stop ▸ for DIN-15 rail ▸ 6 mm wide ▸ for WMB markers		
Color	Item No.	Pack. Unit
gray	249-101	25

6

PU = packaging unit; SPU = subpackaging unit

Operating Tool

Operating tool with a partially insulated shaft ▸ Type 1, (2.5 x 0.4) mm blade

Item No.	Pack. Unit
210-719	50 (1)

Operating tool with a partially insulated shaft ▸ Type 2, (3.5 x 0.5) mm blade

Item No.	Pack. Unit
210-720	50 (1)

Operating tool with a partially insulated shaft ▸ Type 3, (5.5 x 0.8) mm blade

Item No.	Pack. Unit
210-721	25 (1)

Set of operating tools with a partially insulated shaft ▸ Type 1, (2.5 x 0.4) mm blade ▸ Type 2, (3.5 x 0.5) mm blade ▸ Type 3, (5.5 x 0.8) mm blade

Item No.	Pack. Unit
210-722	1

Operating tool with a partially insulated shaft ▸ Type 1 ▸ (2.5 x 0.4) mm blade ▸ short

Item No.	Pack. Unit
210-647	50 (1)

Operating tool with a partially insulated shaft ▸ (2.5 x 0.4) mm blade ▸ short ▸ angled

Item No.	Pack. Unit
210-648	50 (1)

Operating tool with a partially insulated shaft ▸ (3.5 x 0.5) mm blade ▸ short

Item No.	Pack. Unit
210-657	50 (1)

Operating tool with a partially insulated shaft ▸ (3.5 x 0.5) mm blade ▸ short ▸ angled

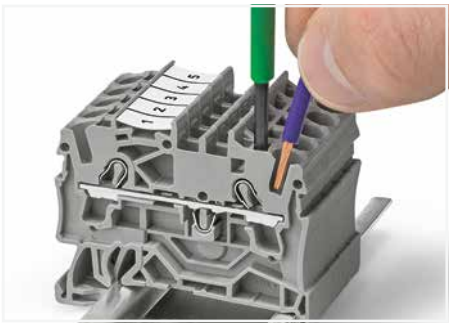
Item No.	Pack. Unit
210-658	50 (1)

Operating tool ▸ Blades: 3.5 mm and 2.5 mm ▸ for installation terminal blocks (TOPJOB® S)

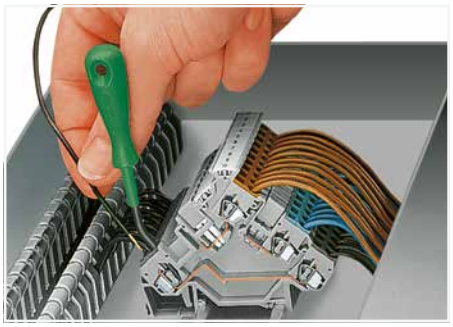
Item No.	Pack. Unit
2009-309	50 (1)

Operating tool ▸ Blades: 3.5 mm and 5.5 mm ▸ for installation terminal blocks (TOPJOB® S)

Item No.	Pack. Unit
2009-310	50 (1)



The blade of this operating tool with a partially insulated shaft is ideal for operating front-entry terminal blocks.



This operating tool with blade dimensions per DIN 5264 is ideal for front-entry sensor/actuator terminal blocks (280 Series).

Open the clamping unit using an operating tool.

Set of operating tools in a box (Item No. 210-722)

6

PU = packaging unit; SPU = subpackaging unit

Operating Tool

Operating tool ▸ insulated ▸ for 279 Series		
	Item No.	Pack. Unit
1-way	209-129	100 (1)
2-way	279-432	100 (1)
3-way	279-433	100 (1)
10-way	279-440	30 (1)

Operating tool ▸ insulated ▸ for 264 Series (1- and 2-way only), 280, 281 Series (up to 3-way only)		
1-way	209-130	100 (1)
2-way	280-432	100 (1)
3-way	280-433	100 (1)
4-way	280-434	40 (1)
5-way	280-435	40 (1)
6-way	280-436	30 (1)
7-way	280-437	30 (1)
8-way	280-438	30 (1)
9-way	280-439	30 (1)
10-way	280-440	30 (1)

Operating tool ▸ insulated; for 281 Series		
5-way	281-440	40 (1)

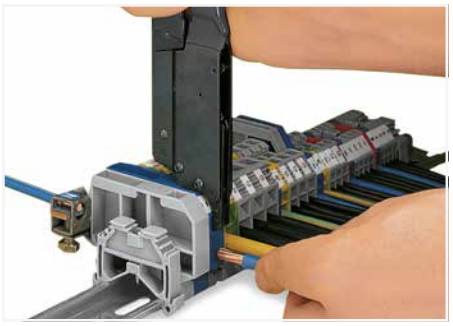
Operating pliers ▸ for side-entry rail-mount terminal blocks (281, 282, 283 and 284 Series)		
	Item No.	Pack. Unit
	210-141	1

Operating pliers ▸ for side-entry rail-mount terminal blocks (279 and 280 Series)		
	210-143	1

T-wrench with a partially insulated shaft		
	Item No.	Pack. Unit
	285-172	1

T-wrench with a partially insulated shaft and anti-rotation protection		
	285-173	1

Commoning front-entry disconnect terminal blocks via comb-style jumper bar using a 10-pole operating tool.



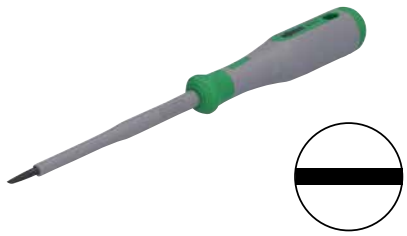
When operating the handles beyond the locked position, the ratchet allows the tool to open and be removed from the terminal block.
The operating pliers are placed into the upper operating slot of the rail-mount terminal block and the clamp is hooked into the lateral operating slot. The contact is fully opened by pressing the handles together until they engage. This will allow both hands to be used for wiring the terminal blocks.

T-wrench with a partially insulated shaft and anti-rotation protection (Item No. 285-173)

6

PU = packaging unit; SPU = subpackaging unit

Screwdriver ▸ VDE tested ▸ 1000 V ▸ insulated



Slot screwdriver ▸ (2,5 x 0,4) mm ▸ 75 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2111	1

Slot screwdriver ▸ (3,0 x 0,5) mm ▸ 100 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2112	1

Slot screwdriver ▸ (3,5 x 0,6) mm ▸ 100 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2113	1

Slot screwdriver ▸ (4,0 x 0,8) mm ▸ 100 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2114	1

Slot screwdriver ▸ (5,5 x 1,0) mm ▸ 125 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2115	1

Slot screwdriver ▸ (6,5 x 1,2) mm ▸ 150 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2116	1

Slot screwdriver ▸ (8,0 x 1,2) mm ▸ 175 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2117	1

Crosshead screwdriver ▸ PH0 ▸ 60 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2120	1

Crosshead screwdriver ▸ PH1 ▸ 80 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2121	1

Crosshead screwdriver ▸ PH2 ▸ 100 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2122	1

Crosshead screwdriver ▸ PH3 ▸ 150 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2123	1

Crosshead screwdriver ▸ PZ0 ▸ 60 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2130	1

Crosshead screwdriver ▸ PZ1 ▸ 80 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2131	1

Crosshead screwdriver ▸ PZ2 ▸ 100 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2132	1

Crosshead screwdriver ▸ PZ3 ▸ 150 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2133	1

PU = packaging unit; SPU = subpackaging unit

Torx® screwdriver ▸ T8 ▸ 180 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2163	1

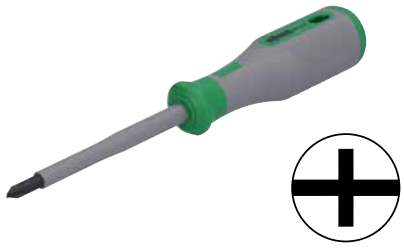
Torx® screwdriver ▸ T10 ▸ 180 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2164	1

Torx® screwdriver ▸ T15 ▸ 190 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2165	1

Torx® screwdriver ▸ T20 ▸ 190 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2166	1

Torx® screwdriver ▸ T25 ▸ 190 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2167	1

Torx® screwdriver ▸ T30 ▸ 215 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2169	1



Combination screwdriver ▸ Cross and slot ▸ +/- PH1/S ▸ 190 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2141	1

Combination screwdriver ▸ Cross and slot ▸ +/- PH2/S ▸ 215 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2142	1

Combination screwdriver ▸ Cross and slot ▸ +/- PZ1/S ▸ 190 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2151	1

Combination screwdriver ▸ Cross and slot ▸ +/- PZ2/S ▸ 215 mm long		
Color	Item No.	Pack. Unit
green/gray	206-2152	1

Screwdriver set ▸ PH1; PH2; PZ1; 2,5 x 0,4; 3,5 x 0,6; 5,5 x 0,8		
Color	Item No.	Pack. Unit
green/gray	206-2101	1

Torx® screwdriver set ▸ T8; T10; T15; T20; T25; T30		
Color	Item No.	Pack. Unit
green/gray	206-2102	1

PU = packaging unit; SPU = subpackaging unit

Cable Knife

Cable knife ▸ for Ø 8 … 28 mm / 0.31 … 1.10 inch ▸ with a unique, changeable cable bracket system ▸ including cable bracket

	Item No.	Pack. Unit
	206-1403	1

Cable knife set ▸ for Ø 4 … 70 mm / 0.16 … 2.75 inch ▸ including all cable brackets in a Sortimo® Box

	Item No.	Pack. Unit
	206-1400	1

Never use this tool on or near live electrical circuits!

To replace the cable bracket, use the new bracket as an operating tool and pull it upwards.

Item-Specific Accessories

Cable bracket; for Ø 4 … 16 mm / 0.16 … 0.63 inch

206-1411 1

Cable bracket; for Ø 8 … 28 mm / 0.31 … 1.10 inch

206-1412 1

Cable bracket; for Ø 27 … 35 mm / 1.06 … 1.38 inch

206-1413 1

Cable bracket; for Ø 35 … 50 mm / 1.38 … 1.97 inch

206-1414 1

Cable bracket; for Ø 50 … 70 mm / 1.97 … 2.75 inch

206-1415 1

The cutting depth of the hook blade can be adjusted with the slider.

The cutting depth of the inner knife can be adjusted with the screw.

Accessories

Spare inside blade

206-1418 1

Spare hook blade

206-1419 1

Strip large cross sections with the hook blade.

Release the fuse before using the hook blade.

PU = packaging unit; SPU = subpackaging unit

Cable Stripper

In-socket cable stripper ▸
for Ø 8 … 13 mm / 5/16 … 1/2 inch

Item No.	Pack. Unit
206-1441	1

Product features:
- Extra long design and improved force transmission simplifies stripping in deep device connection sockets
- Special four-blade design for an even more precise round cut
- No cutting depth adjustment required
- TiN-coated blades, TÜV/GS tested
- Ø 8 … 13 mm / 5/16 … 1/2 inch
- Strips all standard round cables, including NYM 3 x 1.5 mm²/16 AWG … 5 x 2.5 mm²/14 AWG

Built-in handy knife

Universal cable stripper ▸
for Ø 8 … 13 mm / 5/16 … 1/2 inch

Item No.	Pack. Unit
206-1442	1

Sheath stripping: longitudinal cut

Product features:
- Secure grip achieved with soft padding for non-slip grips
- Technically improved functionality
- New locking mechanism prevents the unwanted opening of the tool
- Absolutely straightforward, quick and easy longitudinal cuts – with innovative internal cable duct
- Redesigned blade layout and intake to stop cable waste from jamming the tool
- Durable and ergonomically designed pocket clip
- Ø 8 … 13 mm / 5/16 … 1/2 inch

Stripping a conductor insulation.

Data cable stripper ▸
for Ø 4.5 … 10 mm / 3/16 … 3/8 inch

Item No.	Pack. Unit
206-1451	1

Product features:
- Strip outer insulation and foil sheathing with one tool
- Ideal for stripping PVC-insulated data cables with thin insulation (e.g., Cat. 5, Cat. 6, Cat. 7, twisted pair cable)
- TiN-coated blades
- Ø 4.5 … 10 mm / 3/16 … 3/8 inch

PU = packaging unit; SPU = subpackaging unit

Cable Stripper

Never use this tool on or near live electrical circuits!

The stripping pliers for sensor cables have a blade geometry specially designed for sensor cables with a smaller cross section and a working range from Ø 3.2 mm / 0.13 inch (for stranded cables and round cables with Ø 3.2 mm … 4.4 mm / 0.13 … 0.17 inch).

The stripping pliers for control cables are designed for stronger cables from Ø 4.4 mm / 0.17 inch (for stranded cables and round cables with Ø 4.4 mm … 7 mm / 0.17 … 0.27 inch).

These stripping pliers quickly and safely strip cables for connecting, e.g., sensor/actuator distribution boxes, bus couplers and pluggable connectors.

Suitable for:
- Halogen-free PUR sensor/actuator cables
- Highly flexible TPE-U cables
- Control cables
- PUR cables
- PUR/PVC cables
- PVC cables
- Multi-core cables
- Shielded and unshielded cables

Stripping pliers ▸ for sensor cables ▸ for Ø 3.2 … 4.4 mm / 0.13 … 0.17 inch		
	Item No.	Pack. Unit
	206-1481	1

Item-Specific Accessories		
Replacement blade set; for Ø 3.2 … 4.4 mm / 0.13 … 0.17 inch	206-1491	1

Stripping pliers ▸ for control cables ▸ for Ø 4.4 … 7 mm / 0.17 … 0.27 inch		
	Item No.	Pack. Unit
	206-1482	1

Item-Specific Accessories		
Replacement blade set; for Ø 4.4 … 7 mm / 0.17 … 0.27 inch	206-1492	1

PU = packaging unit; SPU = subpackaging unit

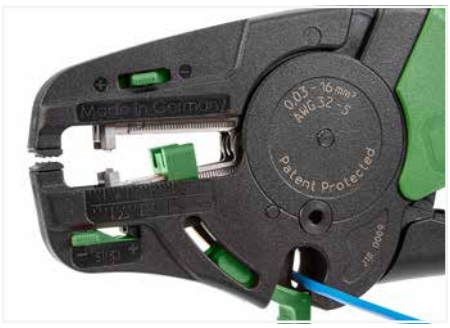
PU = packaging unit; SPU = subpackaging unit

Wire Stripper

Wire stripper "Quickstrip Vario" ▸ 0.03 … 16 mm² / 34 … 6 AWG ▸ with wire cutter		
	Item No.	Pack. Unit
	206-1125	1

Accessories

Blade set; Standard; 0.03 … 16 mm² / 34 … 6 AWG		
	206-1126	1
Blade set; V-blade; 0.14 … 4 mm² / 24 … 12 AWG		
	206-1127	1
Blade set; Oval blade; 10 … 16 mm² / 8 … 6 AWG		
	206-1128	1
Spare stripping stop		
	206-1129	1
Spare cut protector		
	206-1131	1
Spare clamping jaws		
	206-1132	1



Cutting a conductor.

Partially stripping a conductor.

Wire Stripper:
- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands
- Gripping pressure of jaws adjusts automatically to conductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm² (6 AWG)

6

PU = packaging unit; SPU = subpackaging unit

Wire Stripper

Wire stripper ▶ for PVC insulation ▶ 0,2 … 6 mm²; with wire cutter; 2-component grip

	Item No.	Pack. Unit
	206-1141	1

Adjustable length stop: 6 … 15 mm. Insert stranded wire or conductor. The pliers automatically adjust to the conductor cross-section. Squeeze pliers – open – done!

Three wire cutters up to 2.5 mm²: Insert conductor to be cut and done!

Automatic Wire Stripper
Automatically adjusts to the conductor cross-section; no damage to the conductor possible. Suitable for all conductor types with cross sections of 0,2 mm² up to 6,0 mm² (stripping tool). With integrated wire cutter for conductors with max. cross section of 2.5 mm² (cutting tool).
Warning: Never use this tool on or near live electrical circuits!

6

PU = packaging unit; SPU = subpackaging unit

Crimping Tool

Crimping tool "Variocrimp 4" ▸ for insulated and uninsulated ferrules ▸ Crimping range: 0.25 … 4 mm² (24 … 12 AWG)

	Item No.	Pack. Unit
	206-1204	1

Item-Specific Accessories

Spring clamp; large

206-1205 1

Spring clamp; small

206-1206 1

Crimping tool "Variocrimp 16" ▸ for insulated and uninsulated ferrules ▸ Crimping range: 6 mm² (10 AWG), 10 mm² (8 AWG) and 16 mm² (6 AWG)

	Item No.	Pack. Unit
	206-1216	1

Item-Specific Accessories

Spring clamp; small

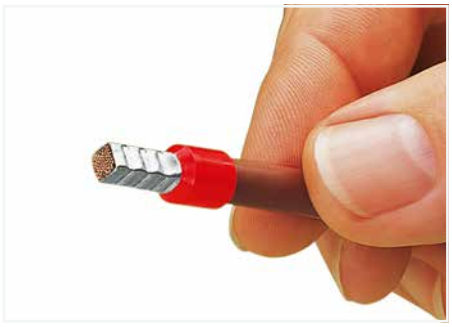
206-1206 1

Application notes:

- The built-in crimping pressure control of "Variocrimp 4" automatically adjusts the crimping force to the conductor cross section. Select the wire gauge on "Variocrimp 16" before crimping.
- Only one crimping station is needed to handle the specified conductor range.
- Uniform, compact crimping on all four sides for high conductor retention.
- No need to center the ferrules into the terminal blocks.
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- Ergonomically designed handles.

Insert the ferruled conductor into the crimping station.

Squeeze handles until ratchet mechanism is released.



A perfect gas-tight crimp – both electrically and mechanically reliable

Only for "Variocrimp 16":
Adjust conductor cross section with crimping tool in open position.

What is a "gas-tight" connection?

In a gas-tight connection, the conductor and the ferrule are compressed, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor gaseous medium can penetrate the crimped connection.
Oxidation between crimped single conductors is prevented, virtually eliminating the possibility of any increase in the crimped connection's resistance. In some exceptional cases, minute, isolated spaces may be present. However, these instances can be considered as closed off due to the twisted conductor.
Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain, permitting oxidation formation and an increase in contact resistance.
Elevated resistance is detrimental for both signal transmission (signal flow is damped) and power transmission, resulting in power loss and contact heating (risk of fire).
Crimping tools with built-in ratchets are recommended (e.g., WAGO Crimping Tools). These tools open automatically after the crimping operation is complete. Space-saving crimping from all four sides is ideal for spring clamp termination.
Ferruled conductor cross sections specified for WAGO products are based on this crimping method.

PU = packaging unit; SPU = subpackaging unit

Crimping Tool

Application notes:
- Improved crimping for higher conductor retention
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- Ergonomically designed handles.

Crimping tool 25 ▸ for insulated and uninsulated ferrules ▸ crimping range: 10 mm² (8 AWG), 16 mm² (6 AWG) and 25 mm² (4 AWG)

	Item No.	Pack. Unit
	206-1225	1

Crimping tool 50 ▸ for insulated and uninsulated ferrules ▸ crimping range: 35 mm² (2 AWG) and 50 mm² (1/0 AWG)

	Item No.	Pack. Unit
	206-1250	1

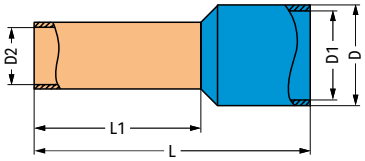
Insert the ferruled conductor into the crimping station.

Squeeze handles until ratchet mechanism is released.

What is a "gas-tight" connection?
In a gas-tight connection, the conductor and the ferrule are compressed, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor gaseous medium can penetrate the crimped connection.
Oxidation between crimped single conductors is prevented, virtually eliminating the possibility of any increase in the crimped connection's resistance. In some exceptional cases, minute, isolated spaces may be present. However, these instances can be considered as closed off due to the twisted conductor.
Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain, permitting oxidation formation and an increase in contact resistance.
Elevated resistance is detrimental for both signal transmission (signal flow is damped) and power transmission, resulting in power loss and contact heating (risk of fire).
Crimping tools with built-in ratchets are recommended (e.g., WAGO Crimping Tools). These tools open automatically after the crimping operation is complete. Space-saving crimping from all four sides is ideal for spring clamp termination.
Ferruled conductor cross sections specified for WAGO products are based on this crimping method.

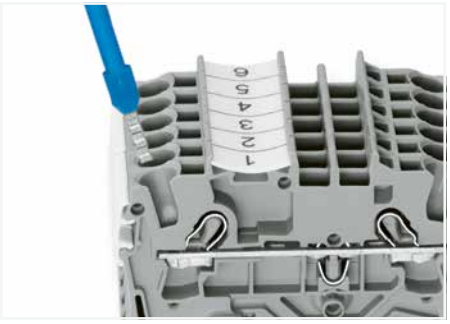
PU = packaging unit; SPU = subpackaging unit

Insulated ferrule; for Rail-Mount Terminal Block TOPJOB® S



Ferrule ▸ insulated ▸ electro-tin-plated ▸ electrolytic copper ▸ gastight crimped ▸ per DIN 46288 (Part 4/09.09)

Conductor Cross Section	Color	Strip Length	L	L 1	D	D 1	D 2	Item No.	Pack. Unit
0.5 mm² / 20 AWG	white	12 mm / 0.47 inch	16	10	3.1	2.6	1	216-241	1000
0.75 mm² / 18 AWG	gray	12 mm / 0.47 inch	16	10	3.3	2.8	1.2	216-242	1000
0.75 mm² / 18 AWG	gray	14 mm / 0.55 inch	18	12	3.3	2.8	1.2	216-262	1000
1 mm² / 18 AWG	red	12 mm / 0.47 inch	16	10	3.5	3	1.4	216-243	1000
1 mm² / 18 AWG	red	14 mm / 0.55 inch	18	12	3.5	3	1.4	216-263	1000
1.5 mm² / 16 AWG	black	12 mm / 0.47 inch	16	10	4	3.5	1.7	216-244	1000
1.5 mm² / 16 AWG	black	14 mm / 0.55 inch	18	12	4	3.5	1.7	216-264	1000
1.5 mm² / 16 AWG	black	20 mm / 0.79 inch	24	18	4	3.5	1.7	216-284	500
2.5 mm² / 14 AWG	blue	12 mm / 0.47 inch	17	10	4.7	4.2	2.2	216-246	1000
2.5 mm² / 14 AWG	blue	14 mm / 0.55 inch	19	12	4.7	4.2	2.2	216-266	1000
2.5 mm² / 14 AWG	blue	20 mm / 0.79 inch	25	18	4.7	4.2	2.2	216-286	500
4 mm² / 12 AWG	gray	14 mm / 0.55 inch	20	12	5.4	4.8	2.8	216-267	500
4 mm² / 12 AWG	gray	20 mm / 0.79 inch	26	18	5.4	4.8	2.8	216-287	100
6 mm² / 10 AWG	yellow	14 mm / 0.55 inch	20	12	6.9	6.3	3.5	216-208	100
6 mm² / 10 AWG	yellow	20 mm / 0.79 inch	26	18	6.9	6.3	3.5	216-288	100
10 mm² / 8 AWG	red	20 mm / 0.79 inch	28	18	8.4	7.6	4.5	216-289	100
16 mm² / 6 AWG	blue	23 mm / 0.91 inch	28	18	9.6	8.8	5.8	216-210	100

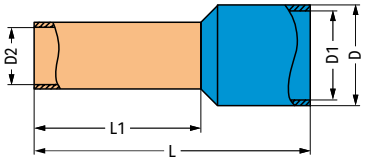


Fine-stranded conductors with ferrules from at least two sizes below the rated cross section up to the rated cross section can also be simply pushed in – without tools.

PU = packaging unit; SPU = subpackaging unit

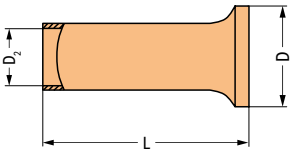
PU = packaging unit; SPU = subpackaging unit

Insulated and Uninsulated Ferrules



Ferrule ▸ insulated ▸ electro-tin-plated ▸ electrolytic copper ▸ gastight crimped ▸ per DIN 46288 (Part 4/09.09)

Conductor Cross Section	Color	Strip Length	L	L 1	D	D 1	D 2	Item No.	Pack. Unit
0.25 mm² / 24 AWG	yellow	7 mm / 0.28 inch	10	6	2.3	1.8	0.85	216-321	1000
0.25 mm² / 24 AWG	yellow	9 mm / 0.35 inch	12	8	2.3	1.8	0.85	216-301	1000
0.34 mm² / 22 AWG	light turquoise	7 mm / 0.28 inch	10	6	2.5	2	0.85	216-322	1000
0.34 mm² / 22 AWG	light turquoise	9 mm / 0.35 inch	12	8	2.5	2	0.85	216-302	1000
0.5 mm² / 20 AWG	white	7 mm / 0.28 inch	12	6	3.1	2.6	1	216-221	1000
0.5 mm² / 20 AWG	white	9 mm / 0.35 inch	14	8	3.1	2.6	1	216-201	1000
0.75 mm² / 18 AWG	gray	8 mm / 0.31 inch	12	6	3.3	2.8	1.2	216-222	1000
0.75 mm² / 18 AWG	gray	10 mm / 0.39 inch	14	8	3.3	2.8	1.2	216-202	1000
1 mm² / 18 AWG	red	8 mm / 0.31 inch	12	6	3.5	3	1.4	216-223	1000
1 mm² / 18 AWG	red	10 mm / 0.39 inch	14	8	3.5	3	1.4	216-203	1000
1.5 mm² / 16 AWG	black	8 mm / 0.31 inch	12	6	4	3.5	1.7	216-224	1000
1.5 mm² / 16 AWG	black	10 mm / 0.39 inch	14	8	4	3.5	1.7	216-204	1000
2.08 mm² / 14 AWG	yellow	10 mm / 0.39 inch	15	8	4.8	4.2	2.05	216-205	1000
2.5 mm² / 14 AWG	blue	10 mm / 0.39 inch	15	8	4.7	4.2	2.2	216-206	1000
4 mm² / 12 AWG	gray	12 mm / 0.47 inch	18	10	5.4	4.8	2.8	216-207	500
6 mm² / 10 AWG	yellow	14 mm / 0.55 inch	20	12	6.9	6.3	3.5	216-208	100
10 mm² / 8 AWG	red	16 mm / 0.63 inch	22	12	8.4	7.6	4.6	216-209	100
16 mm² / 6 AWG	blue	23 mm / 0.91 inch	28	18	9.6	8.8	5.8	216-210	100

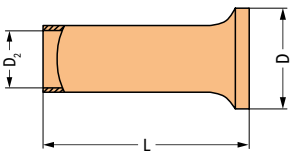


Ferrule ▸ uninsulated ▸ electro-tin-plated ▸ electrolytic copper ▸ gastight crimped ▸ per DIN 46288 (Part 4/09.09)

Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
0.25 mm² / 24 AWG	5 mm / 0.2 inch	5	1.7	0.75	216-151	1000
0.25 mm² / 24 AWG	7 mm / 0.28 inch	7	1.7	0.75	216-131	1000
0.34 mm² / 22 AWG	5 mm / 0.2 inch	5	1.8	0.85	216-152	1000
0.34 mm² / 22 AWG	7 mm / 0.28 inch	7	1.8	0.85	216-132	1000
0.5 mm² / 20 AWG	6 mm / 0.24 inch	6	2.1	1	216-121	1000
0.5 mm² / 20 AWG	8 mm / 0.31 inch	8	2.1	1	216-101	1000
0.75 mm² / 18 AWG	6 mm / 0.24 inch	6	2.3	1.2	216-122	1000
0.75 mm² / 18 AWG	8 mm / 0.31 inch	8	2.3	1.2	216-102	1000
1 mm² / 18 AWG	6 mm / 0.24 inch	6	2.5	1.4	216-123	1000
1 mm² / 18 AWG	8 mm / 0.31 inch	8	2.5	1.4	216-103	1000
1.5 mm² / 16 AWG	6 mm / 0.24 inch	6	2.8	1.7	216-124	1000
1.5 mm² / 16 AWG	8 mm / 0.31 inch	8	2.8	1.7	216-104	1000
2.5 mm² / 14 AWG	10 mm / 0.39 inch	10	3.4	2.2	216-106	1000
4 mm² / 12 AWG	10 mm / 0.39 inch	10	4	2.8	216-107	1000
6 mm² / 10 AWG	12 mm / 0.47 inch	12	4.7	3.5	216-108	500
10 mm² / 8 AWG	12 mm / 0.47 inch	12	5.8	4.5	216-109	500
16 mm² / 6 AWG	15 mm / 0.59 inch	15	7.5	5.8	216-110	500

PU = packaging unit; SPU = subpackaging unit

Uninsulated Ferrule



Ferrule ▸ uninsulated ▸ electro-tin-plated ▸ electrolytic copper ▸ gastight crimped ▸ per DIN 46288 (Part 4/09.09)						
Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
25 mm² / 4 AWG	25 mm / 0.98 inch	25	9.5	7.3	216-413	50
35 mm² / 2 AWG	25 mm / 0.98 inch	25	11	8.3	216-414	50
35 mm² / 2 AWG	30 mm / 1.18 inch	30	11	8.3	216-424	50
50 mm² / 1/0 AWG	30 mm / 1.18 inch	30	13	10.3	216-425	50
50 mm² / 1/0 AWG	35 mm / 1.38 inch	35	13	10.3	216-435	50

PU = packaging unit; SPU = subpackaging unit

Cable Cutter

Cable cutter ▶ for copper and aluminum cables up to 35 mm² (2 AWG)		
	Item No.	Pack. Unit
	206-118	10 (1)

Cutting a cable.

6

PU = packaging unit; SPU = subpackaging unit

Test and Measurement Devices
206 Series

Testboy ▸ with integrated flashlight, non-contact voltage tester		
	Item No.	Pack. Unit
	206-804	6 (1)

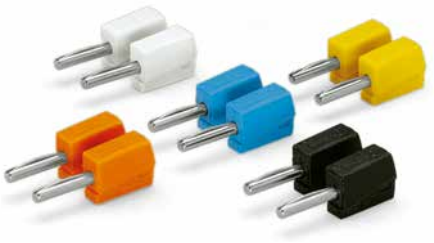
WAGO Test Probes ▸ 2 mm Ø ▸ 1000 V ▸ CAT IV ▸ 10 A		
	Item No.	Pack. Unit
	206-912	1

A device that will reliably detect AC voltage in cables, sockets, fuses, switches, outlets and other installations.
Testboy can detect the following:
- Live conductors
- Cable breaks
- Blown fuses (in cartridges or holders)
- Defective switches
- Defective lamps in strings of lights

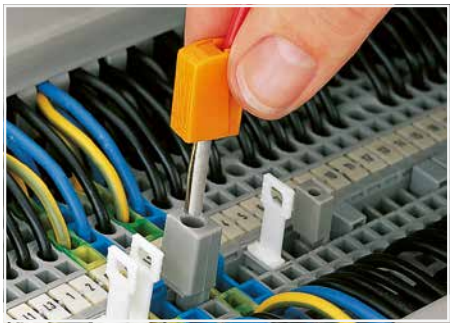
PU = packaging unit; SPU = subpackaging unit

Banana Plug (Only for Safety Extra-Low Voltage)
215 Series

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
max. 42 V	
Test current: 20 A	
Measuring range category: CAT I	
9 … 11 mm / 0.35 … 0.43 inch	



Conductor termination: Press button fully, insert stripped conductor into square entry and release.

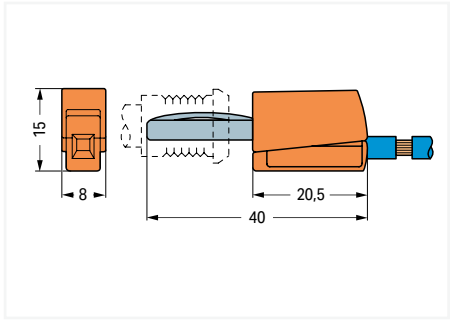


Testing via banana plug.
Picture shows a test plug adapter (Item No. 209-170).

Banana plug ▸ for 4 mm socket diameter ▸ color mixed ▸ 10 x orange, white, black, blue, yellow		
	Item No.	Pack. Unit
	215-111	50

Banana plug; single

Banana plug; for 4 mm socket diameter			
	orange	215-211	50
Banana plug; for 4 mm socket diameter			
	red	215-212	50
Banana plug; for 4 mm socket diameter			
	black	215-311	50
Banana plug; for 4 mm socket diameter			
	green	215-411	50
Banana plug; for 4 mm socket diameter			
	yellow	215-511	50
Banana plug; for 4 mm socket diameter			
	white	215-611	50
Banana plug; for 4 mm socket diameter			
	blue	215-711	50
Banana plug; for 4 mm socket diameter			
	gray	215-811	50
Banana plug; for 4 mm socket diameter			
	green-yellow	215-911	50

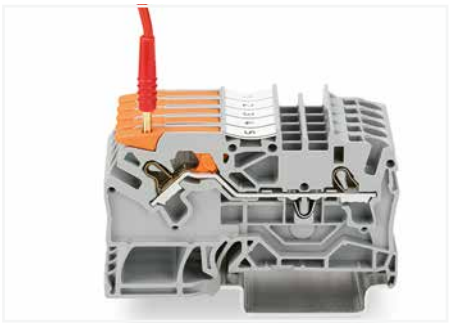


Dimensions in mm

PU = packaging unit; SPU = subpackaging unit

Test Plug
210 Series

Test plug ▸ with 500 mm cable ▸ 2 mm Ø ▸ max. 42 V		
Color	Item No.	Pack. Unit
red	210-136	50 (1)



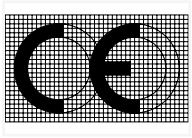
Testing with a 2 mm Ø test plug (max. 42 V).

6

PU = packaging unit; SPU = subpackaging unit

Technical Section

Technical Section

		Page
	Operating WAGO Connection Technologies	612
	**Technical information** **CE Marking and EC Directives**	614
	Tests and testing procedures Mechanical, Electrical, Material and Environmental Tests	616
	UL Specifications – Underwriters Laboratories, USA Tests and Testing Procedures per UL Standards	636
	"Alu-Plus" Contact Paste Terminating aluminum conductors	641
	Material Specifications Insulation Materials, Contact Plating, Contact Materials and Clamping Spring Material	642
	Technical Information on Electrical Equipment Used in Hazardous Areas ⓔx	646
	All terminal blocks used in hazardous areas "Ex e II" have their item numbers marked with the Ex symbol.	648
	All terminal blocks used in intrinsically safe current circuits "Ex i" have their item numbers marked with a blue circle.	
	International Certification Organizations – Overview	656
	Electrical Engineering Laboratory Product Safety for Our Customers	658
	WAGO Seminars Learn Today – Benefit Tomorrow Benefit from First-Hand Knowledge and Expertise – Training Straight from the Source!	660

Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

PUSH-IN CAGE CLAMP®

Push-in CAGE CLAMP® terminates the following copper conductors:
solid

stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

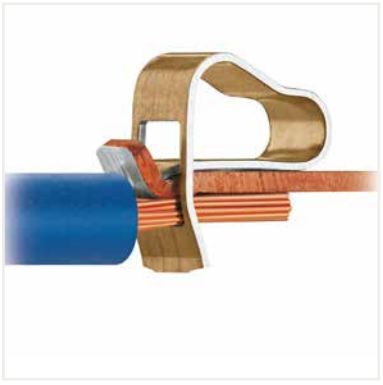
fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

The universal connection with an additional advantage: Push-in connection
Terminate solid and stranded (Class B 7 strands or less), as well as ferruled conductors, by simply pushing them in – no tools required.

Termination for all conductor types:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

CAGE CLAMP®



CAGE CLAMP® terminates the following copper conductors:
solid

stranded

fine-stranded, also with tinned single strands

fine-stranded, tip-bonded

fine-stranded, with ferrule (gastight crimped)

fine-stranded, with pin terminal (gastight crimped)

The universal connection for solid, stranded and fine-stranded conductors

Termination:
- Open clamping unit.
- Insert the conductor.
- Release clamp – done!

Operating WAGO Connection Technologies

Please follow the applicable product-specific termination instructions.

POWER CAGE CLAMP®

POWER CAGE CLAMP terminates the following copper conductors:
solid

stranded

fine-stranded, also with tinned single strands

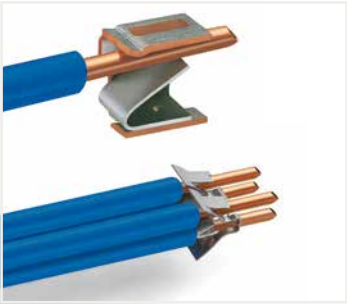
fine-stranded, with ferrule (gastight crimped)

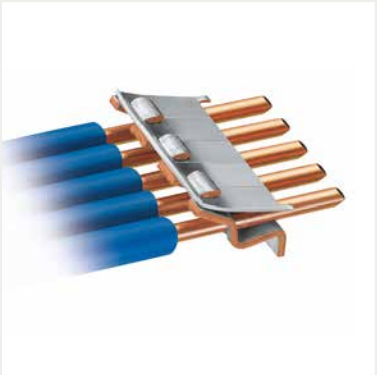
The universal connection for conductors larger than 35 mm² (2 AWG)

Termination:

- Open clamp by turning a T-wrench counter-clockwise.
- Press the integrated latch to open clamping unit for hands-free wiring.
- Insert the conductor.
- A small counter-clockwise rotation closes the clamp, securing conductor.

PUSH WIRE®





PUSH WIRE® terminates the following copper conductors:
solid

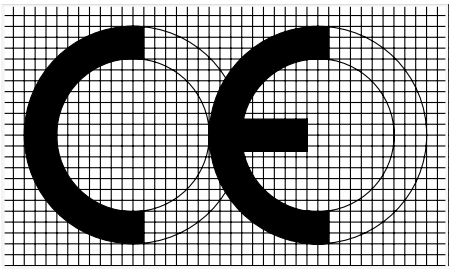
PUSH WIRE® connection for solid and stranded conductors (depending on the model used)

Termination:
Tool-free, twist-free terminations for solid and rigid stranded conductors – simply push into the unit.

CE Marking and EC Directives

CE Conformity Marking

The CE conformity marking consists of the characters “CE” with the following script:



Communauté Européenne
(European Community)

WAGO GmbH & Co. KG products are developed, tested and marked in accordance with legally valid international standards and laws.

The CE mark is applied to products intended for the European domestic market; with it, manufacturers declare that the marked electrical equipment conforms with the applicable requirements set out in the Community harmonization legislation (EU Directives), which allows such equipment to carry this mark.

The original intention of this mark was to support the authorities in the EU member states in their market supervision, with the mark acting as a symbol of free movement of products within the EU. According to EC Directive 765/2008, a product can only be given the CE mark if the product requirements are defined in at least one appropriate EU directive. Examples of such directives are the Low Voltage Directive, the EMC Directive, the ATEX Directive, the Building Products Directive and the Machinery Directive. If more than one directive applies to a product, the product must comply with **all applicable directives**.

Only the basic requirements for achieving the defined aim of the directive are laid out in each respective directive. The individual technical details are specified according to the New Approach using lists with cross references to applicable standards (so-called harmonized standards).

1. Low Voltage Directive (LVD)

The safety of electrical equipment is guaranteed by the Low Voltage Directive (LVD). The LVD covers all electrical equipment operating with a voltage between 50 VAC and 1000 VAC and between 75 VDC and 1500 VDC.

Products falling within the scope of the Low Voltage Directive that are designed in such a way that they can be used in other electrical devices, and whose safety, for the most part, is dependant on how these components were built into the end product and what features the end product has, are defined as basic components in accordance with the Low Voltage Directive.

The LVD doesn’t apply to basic components.

The RoHS Directive also applies to electrical equipment covered by the Low Voltage Directive. This directive regulates the use of hazardous substances in electrical devices and components, with the aim of reducing the quantity of problematic components in electrical waste. Details about the materials used by WAGO are available in our catalogs, on our product packaging and on our Web page.

2. EMC Directive

The EMC Directive stipulates that a product must meet the limits on radiated electromagnetic disturbance and also requires that a product must be immune to electromagnetic interference.

Electromagnetic passive components or components with no direct function, such as terminal blocks, resistors, diodes, capacitors, switching relays or cables (in the form of passive printed circuit boards) are not considered as apparatus within the meaning of the EMC Directive.

3. ATEX Directive on Explosion Protection

The ATEX Directive defines the rules for products (devices and protective systems) intended for use in hazardous locations. A number of products from WAGO are designed for use in hazardous areas.

Based on potential hazards, the ATEX Directive makes a distinction between three different equipment groups, of which Group II and III are subdivided into further zones. Suitability of WAGO products for the different groups and zones is outlined in the specific product documents (catalogs, Internet site, data sheets and product inserts).

These may be either devices that can be used as equipment in these types of areas, or components that are required for safe operation, but which do not fulfill a dedicated function. Such components include rail-mount terminal blocks for use in hazardous areas.

Products in both groups must comply with the ATEX Directive.

4. Radio Communications Directive

The Radio Communications Directive applies to all devices that properly transmit or receive radio waves for wireless communications and/or radio orientation. The basic safety requirements apply to the protection of health for humans and animals and to electrical safety in line with the Low Voltage Directive, but without the application of the voltage limit. In addition, the EMC protection goals of the EMC Directive must also be fulfilled and efficient use of radio frequencies ensured. WAGO products covered by the Radio Communications Directive indicate, in compliance with applicable laws, only the Radio Communication Directive in their EU Declaration of Conformity, as fulfillment of the Low Voltage Directive and of the EMC Directive is implicit in this declaration.

5. Construction Products Regulation

The Construction Products Regulation demands that structures be designed and constructed such that the safety of humans, property and animals is not endangered and that all applicable environmental protection requirements be considered. Here, building products are defined as products or construction sets which are produced to be built permanently into structures and which make a significant contribution to fulfilling the basic requirements for the structure.

In the unanimous opinion expressed by the German electrical industry, including WAGO GmbH & Co. KG, products used in general installation technology are not included among these types of building products and are therefore not covered by this directive.

6. Machinery Directive

The Machinery Directive applies to machines (complete or incomplete) which perform their functions by means other than direct human or animal work, or safety components for these types of machines.

Therefore, this directive usually does not apply to WAGO products.

The manufacturers of machines or systems are required by this directive to use safe products and components in their machines and systems. Directive-compliant production and safe operation is facilitated by the use of WAGO products, with their standard-compliant, up-to-date design.

Significance of CE Mark for WAGO Products

One, several or none of the EU Directives may apply to the various WAGO products. If none of the directives apply, the CE marking will not be affixed to the product, in line with applicable laws. Furthermore, a declaration of conformity must not be issued. All other products are provided with the CE mark – either directly on the product, on its packaging or in the documents included with the product – and a declaration of conformity is issued, or made accessible to the customer.

The data sheets of the technically sound products that, according to the regulations, are not CE marked will refer to the standards used in the development and type and manufacturing testing wherever possible.

IEC/EN specifications

The following standards apply to the design and application of the terminal blocks and connectors contained in this catalog:

IEC 60364-1
HD 60364-1
VDE 0100-100
/ Erection of power installations with nominal voltages up to 1000 V
– Part 1: Fundamental principles, assessment of general characteristics, definitions

IEC 60364-7-710
HD 60364-7-710
VDE 0100-710
/– Part 7-718: Requirements for special installations or locations
– Medical areas

IEC 60364-7-718
HC 60364-7-718
VDE 0100-718
/– Part 7-718: Requirements for special installations or locations
– Communal facilities and workplaces

EN 50110-1
VDE 0105-1
/ Operation of electrical installations
– Part 1: General requirements

IEC 60664-1
EN 60664-1
VDE 0110-1
/ Insulation coordination for equipment within low-voltage systems
– Part 1: Principles, requirements and tests

IEC 60204-1
EN 60204-1
VDE 0113-1
/ Safety of machinery – Electrical equipment of machines
– Part 1: General requirements

IEC 61140
EN 61140
VDE 0140-1
/ Protection against electric shock
– Common aspects for installation and equipment

IEC 60079-0
EN 60079-0
VDE 0170-1
/ Harzardous areas
– Part 0: Equipment
– General requirements

IEC 60079-7
EN 60079-7
VDE 0170-6
/ Explosive atmospheres
– Part 7: Equipment protection by increased safety “e”

IEC 60079-11
EN 60079-11
VDE 0170-7
/ Harzardous areas
– Part 11: Equipment protection by intrinsic safety “i”

IEC 60079-14
EN 60079-14
VDE 0165-1
/ Harzardous areas
– Part 14: Electrical installations design, selection and erection

IEC 60079-15
EN 60079-15
VDE 0170-16
/ Explosive atmospheres
– Part 15: Equipment protection by type of protection “n”

EN 50628
VDE 0118-10
/ Installation of electrical equipment in mines

IEC 60038
EN 60038
VDE 0175-1
/ IEC CENELEC standard voltages

VDE 0298-4
/ Use of cables and insulated conductors in power installations
– Part 4: Recommended values for current carrying capacities of cables for fixed installation and for flexible cables

IEC 60112
EN 60112
VDE 0303-11
/ Method for determining the comparative and the proof tracking indices of solid insulation materials

IEC 60529
EN 60529
VDE 0470-1
/ Degrees of protection provided by enclosures (IP Code)
– Testing equipment and testing method

IEC 61439-1
EN 61439-1
VDE 0660-600-1
/ Low-voltage switchgear and control-gear assemblies
– Part 1: General rules

IEC 61439-3
EN 61439-3
VDE 0660-600-3
/– Low-voltage switchgear and control-gear assemblies
– Part 3: Distribution boards intended to be operated by ordinary persons (DBO)

IEC 61643-11
EN 61643-11
VDE 0675-6-11
/ Low-voltage surge protective devices
– Part 11: Surge protective devices connected to low-voltage power systems
– Requirements and test methods

IEC 60335-1
EN 60335-1
VDE 0700-1
/ Safety of household and similar electrical appliances
– Part 1: General requirements

IEC 60598-1
EN 60598-1
VDE 0711-1
/ Lighting fixtures
– Part 1: General requirements and tests

IEC 60715
EN 60715
/– Standardized mounting on rails for mechanical support of electrical devices in switchgear and control-gear installations

IEC 60999-1
EN 60999-1
VDE 0609-1
/ Connecting devices – Electrical copper conductors – Safety requirements for screw-type and screwless-type clamping units
– Part 1: General requirements and particular requirements for clamping units for conductors from 0.2 mm² up to 35 mm²

IEC 60999-2
EN 60999-2
VDE 0609-101
/– Part 2: General requirements and particular requirements for clamping units for conductors from 35 mm² up to 300 mm² (included)

IEC 60998-1
EN 60998-1
VDE 0613-1
/ Connecting devices for low-voltage circuits for household and similar purposes
– Part 1: General requirements

IEC 60998-2-1
EN 60998-2-1
VDE 0613-2-1
/– Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units

IEC 60998-2-2
EN 60998-2-2
VDE 0613-2-2
/– Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units

IEC 60998-2-3
EN 60998-2-3
VDE 0613-2-3
/– Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units

IEC 60947-1
EN 60947-1
VDE 0660-100
/ Low-voltage switchgear and controlgear
– Part 1: General rules

IEC 60947-7-1
EN 60947-7-1
VDE 0611-1
/– Part 7-1: Ancillary equipment
– Terminal blocks for copper conductors

IEC 60947-7-2
EN 60947-7-2
VDE 0611-3
/- Part 7-2: Ancillary equipment
– Ground conductor terminal blocks for copper conductors

IEC 60947-7-3
EN 60947-7-3
VDE 0611-6
/– Part 7-3: Ancillary equipment
– Safety requirements for fuse terminal blocks

VDE 0611-4
/ Rail-mount terminal blocks for connection of copper conductors;
– Multi-level distribution rail-mount terminal blocks up to 6 mm²

IEC 61984
EN 61984
VDE 0627
/ Connectors – Safety requirements and tests

Tests and Testing Procedures per IEC/EN Standards

Products such as connecting devices, rail-mount terminal blocks and connectors, etc., have their own product-specific test specifications. The following sections describe the most important tests and are limited to a description of the test procedures and an explanation of the test purpose. The data shown (e.g., voltages, temperatures, forces) only serve as illustration and may differ depending on the test.

Mechanical Tests

All WAGO products meet requirements for the following mechanical tests:

- Termination Requirements

Conductor Termination
Two WAGO connection systems are proven in the field of Spring Pressure Connection Technology:
The **PUSH WIRE® connection** for applications requiring solid conductors (e.g., for lighting and building wiring, telecommunications, house communication or alarm systems).
Conductor range:
0.2 ⋯ 4 mm² / 24 … 12 AWG
The **universal CAGE CLAMP® spring pressure connection system** for solid, stranded and fine-stranded conductors, designed for a variety of industrial, electrical and electronic applications (e.g., fine-stranded conductors in the elevator industry, in power stations, in the chemical and automotive industry, and aboard ships).
Conductor range:
0.08 ⋯ 35 mm² (28 ⋯ 2 AWG)

The **Push-in CAGE CLAMP® connection** takes universal CAGE CLAMP® connections further by allowing the termination of 0.2 ⋯ 16 mm² (24 ⋯ 6 AWG) solid, stranded and fine-stranded conductors (25 mm²/4 AWG only "f-st") and offering all the benefits and safety of the original CAGE CLAMP®. Furthermore, the Push-in CAGE CLAMP® connection technology allows solid, stranded and fine-stranded conductors with ferrules from 0.5 to 16 mm² (20 ⋯ 6 AWG) to be terminated by simply pushing them in.

The conductor entry hole is perfectly suited for the insulation diameter of the rated conductor cross section, thus providing good conductor guidance.

This is particularly important for vibration-prone applications.
Fine-stranded conductors of a small or very small size are highly flexible, and deform when pushed against the conductor stop in terminal blocks. As a result, the conductor insulation – not the copper conductor – may be clamped, causing intermittent contact or no contact at all.
In order to prevent conductor insulation from being inserted into the clamp, insulation stops are available for WAGO rail-mount terminal blocks up to 4 mm² (12 AWG), even providing protection for 0.08 mm² (28 AWG) conductors.

Rated Cross Sections and Connectable Conductors
I. Per IEC 60999-1 / EN 60999-1 / VDE 0609-1, Table 1:

Rated Cross Section	Theoretical Largest Conductor Diameter							Connectable Conductor	
	Metric			AWG					
	Rigid		Flexible	Rigid			Flexible	Rigid	Flexible
	Solid	Stranded			[b] Solid	[b] Class B Stranded	[c] Class I, K, M Stranded	To be defined in the corresponding product standard	
mm²	mm	mm	mm	Conductor Size	mm	mm	mm		
0.2	0.51	0.53	0.61	24	0.54	0.61	0.64		
0.34	0.63	0.66	0.8	22	0.68	0.71	0.8		
0.5	0.9	1.1	1.1	20	0.85	0.97	1.02		
0.75	1	1.2	1.3	18	1.07	1.23	1.28		
1	1.2	1.4	1.5	–	–	–	–		
1.5	1.5	1.7	1.8	16	1.35	1.55	1.6		
2.5	1.9	2.2	2.3[a]	14	1.71	1.95	2.08		
4	2.4	2.7	2.9[a]	12	2.15	2.45	2.7		
6	2.9	3.3	3.9[a]	10	2.72	3.09	3.36		
10	3.7	4.2	5.1	8	3.34	3.89	4.32		
16	4.6	5.3	6.3	6	4.32	4.91	5.73		
25	–	6.6	7.8	4	5.45	6.18	7.26		
35	–	7.9	9.2	2	6.87	7.78	9.02		

NOTE: The diameters of the largest rigid and flexible conductors are based on Table 1 of IEC 60228 A/IEC 60344 and on ASTM B172-71 [4], IECA Publication S-19-81 [5], IECA Publication S-66-524 [6], as well as IECA Publication S-66-516 [7] for AWG conductors.
[a] Dimensions for Class 5 flexible conductors only (IEC 60228 A)
[b] Nominal diameter +5%
[c] Largest diameter for conductors of classes I, K, M + 5%
In practical use, the conductor cross sections are approximately 5% below the values stated in the table!

The IEC 60999-1/EN 60999-1/VDE 0609-1 Specification (Section 7.1) requires that:

Clamping units must be able to connect unprepared conductors.

Under normal operating conditions, direct clamping (i.e., directly connecting a conductor to the terminal block's current bar) provides optimal contact quality, because all risk factors arising from anti-splaying methods are prevented.

Occasionally, conductor anti-splaying protection may be required, including various methods (see illustrations below).

Special requirements apply only in special application areas exposed to extremely corrosive atmospheres.

In this case, we recommend using either solid copper conductors or fine-stranded copper conductors with properly crimped, tin-coated copper ferrules or copper pin terminals.

II. Per IEC 60999-2, Table 1:

Rated Cross-Section	Theoretical Largest Conductor Diameter					Connectable Conductor	
	Metric		AWG/kcmil				
	Rigid Stranded	Fine-Stranded [a)]	Gauge	Rigid Stranded	Fine-Stranded		
mm²	mm	mm		mm	mm	Rigid	Flexible
50	9.1	11	1/0	9.64	12.08	To be defined in the corresponding product standard	
70	11	13.1	2/0	11.17	13.54		
95	12.9	15.1	3/0	12.54	15.33		
–	–	–	4/0	14.08	17.22		
120	14.5	17	250	15.34	19.01		
150	16.2	19	300	16.8	20.48		
185	18	21	350	18.16	22.05		
–	–	–	400	19.42	24.05		
240	20.6	24	500	21.68	26.57		
300	23.1	27	600	23.82	30.03		
Dimensions for Class 5 flexible conductors only (IEC 60228 A)							
NOTE: The diameters of the largest rigid and flexible conductors are based on Table 1 and Table 3 of IEC 3 A/IEC 60228 and on ASTM B172-71 [1], IECA Publication S-19-81 [2], IECA Publication S-66-524 [3], as well as IECA Publication S-66-516 [7] for AWG conductors.							

Tip-bonded conductor

Tin-plated copper ferrule (gas-tight crimped)

Ultrasonically bonded conductor

Crimped pin terminal (gas-tight), preferably made of copper with a tin-plated surface

Anti-splaying methods require a terminal block one size larger than the nominal cross section of the conductor to be terminated. Ferruled conductor cross sections specified for individual products are based on WAGO's Variocrimp square crimping technology. Gas-tight, crimped twin ferrules may be used, provided the ferrule is inserted all the way into the clamping unit and that there is a sufficient clearance and creepage distance between adjacent potentials.

As with solid copper conductors, the fine strands are crimped into a dense inner core. Crimping prevents ingress of aggressive atmospheres (depending on the ppm concentration), which can diffuse into the conductor bundle along the individual strands and deposit between individual strands and the clamping point.

One Conductor per Clamping Unit

A number of DIN VDE, EN, IEC directives mandate or recommend that only one conductor must be connected per clamping unit.

In accordance with DIN VDE 0611, Part 4, 02.91, Section 3.1.9, multi-level distribution rail-mount terminal blocks must be dimensioned so that a single (solid, stranded or fine-stranded) conductor of the nominal cross section can be connected at each terminal point.

Other VDE, EN and IEC specifications also recommend the connection of only one conductor per clamping unit, unless the clamping unit is specifically tested and approved for the connection of several conductors, for example:
VDE 0609, Part 1, 12.00 / EN 60999-1:2000/ IEC 60999-1:1999, Section 7.1
VDE 0660, Part 600, 06.12 / EN 61439-1:2011 / IEC 61439-1, Section 8.6.3
VDE 0113, Part 1, 06.07 / EN 60204-1:2006 / IEC 60204-1:2016, Section 13.1.1.
One conductor per clamping unit is therefore recommended to meet the safety requirements of these relevant specifications. This WAGO principle is the basis for a number of other technical and economic advantages:

- Each conductor may be terminated or removed without affecting previously connected conductors.
- Where re-wiring is required, only the conductor to be changed is removed from the clamping point, all other conductors remain safely clamped.
- Each conductor is clamped independently.
- Any conductor size combination can be connected.

WAGO rail-mount terminal blocks offer different solutions to increase the number of clamping points.
The most common way is by branching one conductor into two or three conductors. WAGO offers 3- and 4-conductor terminal blocks, making additional jumpers unnecessary.

Tests and Testing Procedures per IEC/EN Standards (continued)
Mechanical Tests (continued)

- Pull-Out Test per IEC/EN 60947-7-1, IEC/EN 60998-2-2, IEC/EN 60999-1

The pull-out test simulates the mechanical stress on the clamping unit when, for example, the installer pushes the conductor aside to better access/operate the adjacent clamping unit, or verifies if the conductor is connected properly by briefly pulling on it.
During the test, a pulling force is applied without jerking, for one minute, to the connected conductor. The pulling force is selected according to the cross-sectional area. The larger the cross section of the conductor, the higher the pull-out force that is selected. For example, the pulling force is 40 N for a conductor having a cross section of 1.5 mm² (16 AWG) and 100 N for a conductor with a cross section of 16 mm² (6 AWG). The values specified by these standards are the same for both screw clamp and spring clamp terminal blocks. During the test, the conductor must neither slip out of the clamping unit, nor break near the clamping unit.

Conductor Pull-Out Forces
The clamping units of screwless terminal blocks must withstand the pull-out forces as follows:
IEC 60947-1/EN 60947-1/VDE 0660-100, Table 5:
Low-voltage switchgear and controlgear, General rules

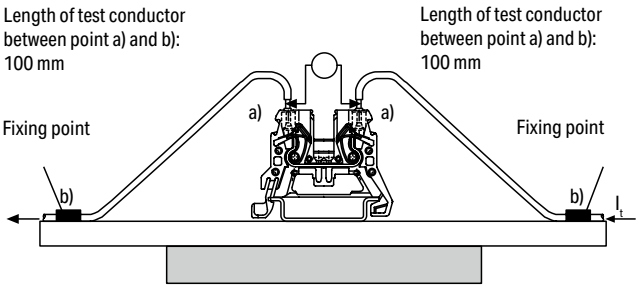
IEC 60947-7-1/EN 60947-7-1/
VDE 0611-1, Rail-mount terminal blocks for copper conductors

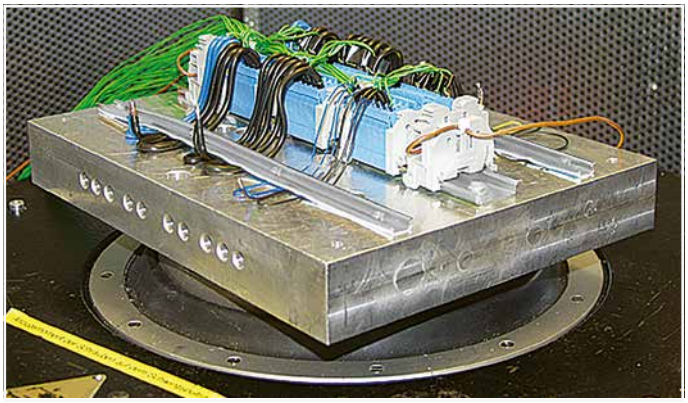
IEC 60998-2-1/EN 60998-2-1/
VDE 0613-2-1, Table 104:
IEC 60998-2-2/ EN 60998-2-2
VDE 0613-2-2, Table 103:
Connecting devices for low-voltage circuits for household and similar purposes
Particular requirements for connecting devices as separate entities with screw-clamp or screwless terminal blocks.
IEC 60999-1/EN 60999-1/VDE 0609-1, Table 3:
IEC 60999-2/EN 60999-2/VDE 0609-101, Table 2:
Safety requirements for screw-clamp and screwless clamping units for electrical copper conductors

Rated Cross-Section		Pull-Out Forces per IEC/EN		
		60947-7-1	60998-2-2	60999-1/-2
mm²	AWG/kcmil	N	N	N
0.2 0.34	24 22	10 15	10 15	10 15
0.5 0.75	20 18	20 30	20 30	20 30
1 1.5	– 16	35 40	35 40	35 40
2.5 4	14 12	50 60	50 60	50 60
6 10	10 8	80 90	80 90	80 90
16 25	6 4	100 135	100 135	100 135
– 35	3 2	156 190	190	190
– 50	1 1/0	236 236		236
70 95	2/0 3/0	285 351		285 351
– 120	4/0 250	427 427		427 427
150 185	300 350	427 503		427 503
– 240	400 500	503 578		503 578
300	600	578		578

- Shock Test per IEC/EN 60068-2-27; IEC/EN 61373 (Railway Applications)

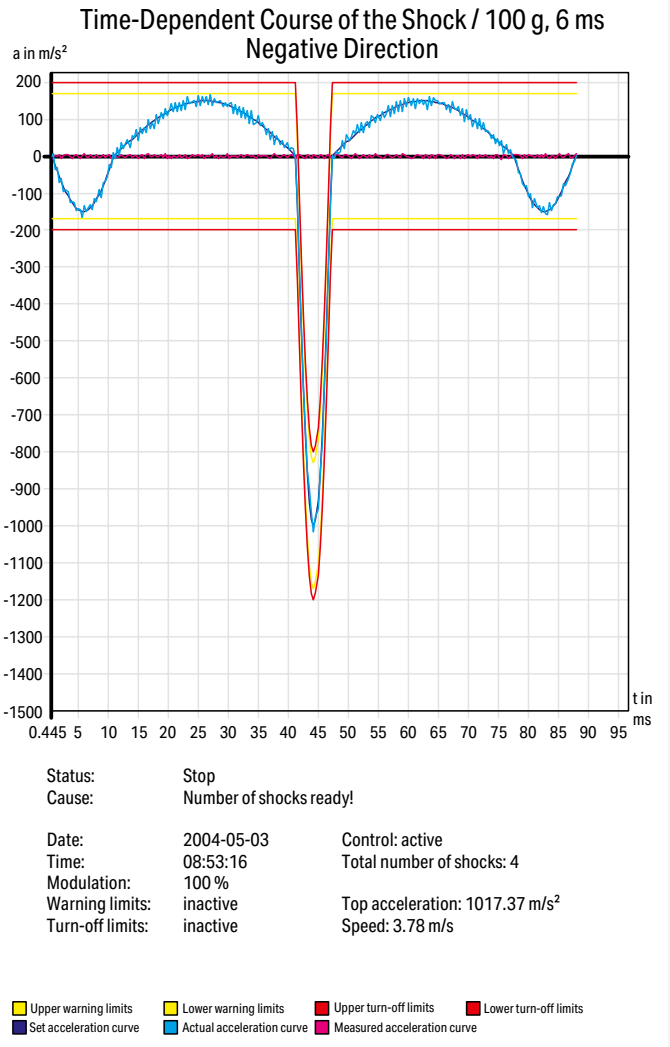
The shock test is similar to the vibration test except that, instead of continuous vibrations, single shocks are applied to the specimen. Shock tests are usually performed with an acceleration of 20g, for example, over a period of 11 ms. Tests for special requirements often call for much higher values.
Like the vibration tests, shock tests are primarily used to test the voltage drop variation or contact breaks, etc.

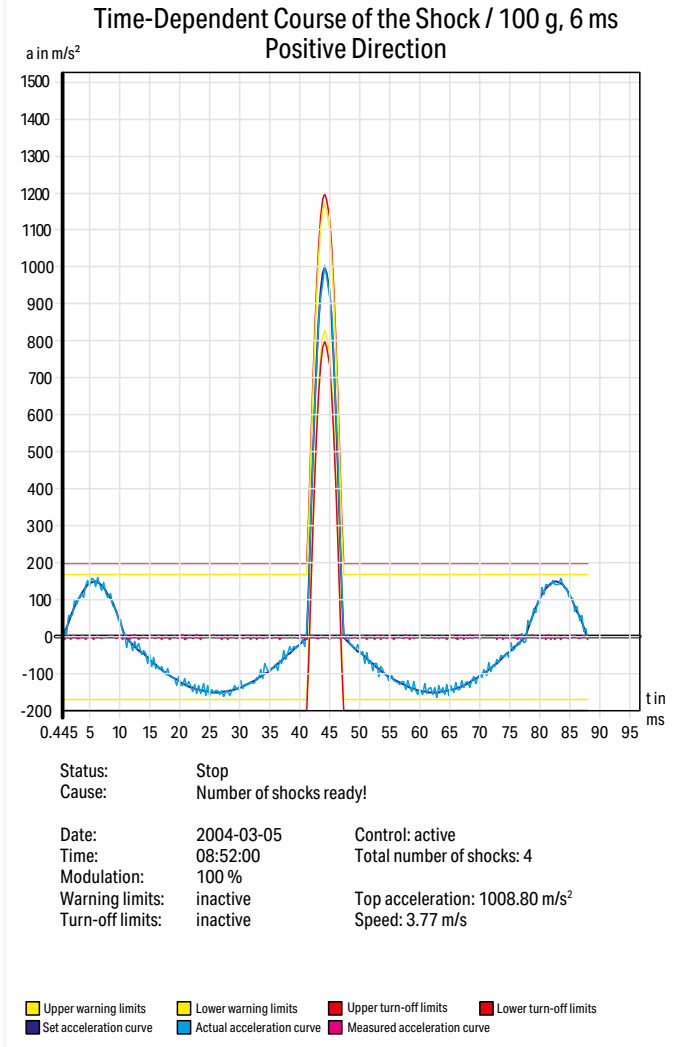




Example: Shock requirement

per IEC/EN 60068-2-27 (half-sine shock)
100g acceleration, 6 ms duration
Shock direction: 3 axes (3 shocks each in positive and negative direction)





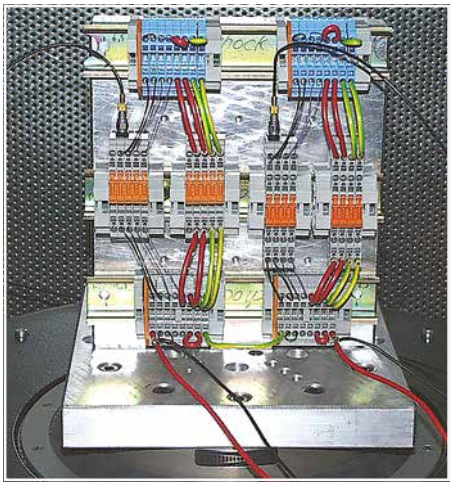
Tests and Testing Procedures per IEC/EN Standards (continued)
Mechanical Tests

- Vibration Test per IEC/EN 60068-2-6; DNV GL, LR (Marine Applications); EN 61373 (Railway Applications)

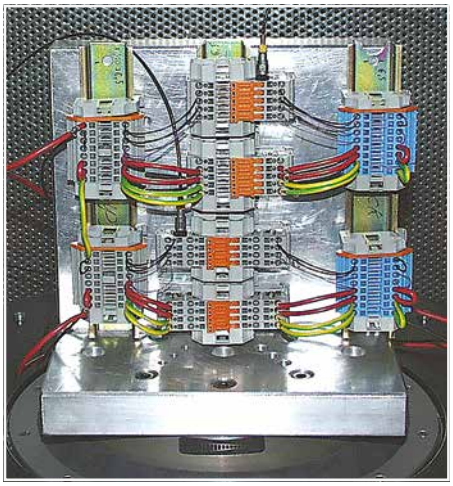
The vibration test determines whether vibrations, such as those produced in the vicinity of machines or in vehicles, will permanently affect the electrical connection, or if contact breaks will occur during vibrations. Using a vibration table, the test specimen is subjected to vibration in each of the X, Y and Z axes (see pictures).
The amplitude, acceleration and, in particular, the frequency of the vibration must vary during the test.

In a common test procedure, for example, a wide frequency band is continuously run up to 2000 Hz, at different accelerations up to 20g and different amplitudes up to 20 mm. Test duration is 90 minutes per axis.

Other test types are performed using a single fixed frequency. The exact test procedure may vary considerably, depending on how the product will be used. Some test specifications require the determination of possible resonant frequencies, i.e., determining if resonance occurs within the frequency spectrum to be passed through. Analyzing the specimen behavior under the influence of resonant frequencies is performed using a special testing procedure.



Beyond these standard procedures, each market segment performs additional testing. Examples include railway authorities testing rolling electrical equipment, or the testing performed multiple marine agencies (e.g., DNV GL Group, Lloyd's Register of Shipping). Though the requirements of such testing procedures are particularly demanding, test arrangements are identical for all of them. During vibrations, possible contact breaks are monitored on an oscilloscope. Voltage drop is measured before and after the test to detect permanent failures, i.e., checking if electrical resistance at the clamping unit has not increased beyond the permissible limit. The smaller this value is, the smaller the contact resistance of the clamping unit.

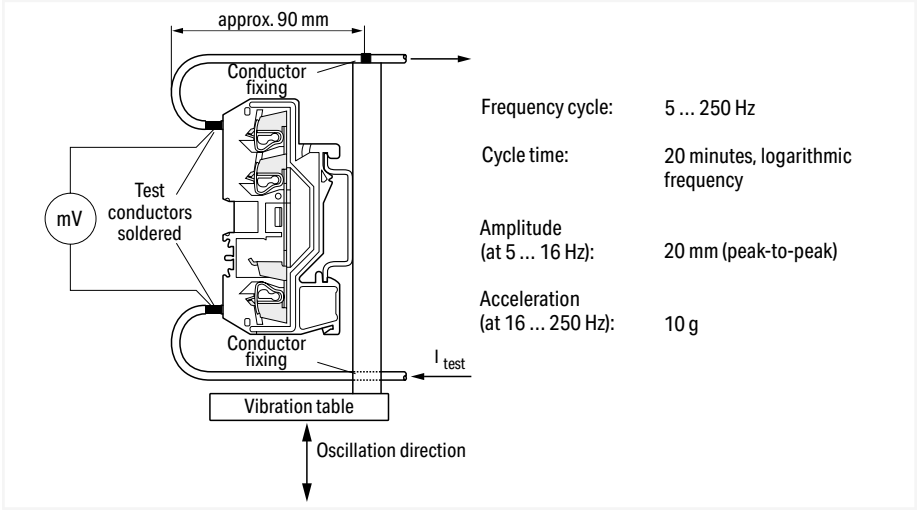


The test is passed if:
- the conductor has neither slipped out of the terminal block nor been damaged
- the maximum permissible voltage drop has not been exceeded
- and neither contact breaks have occurred nor a defined break time has been exceeded.

The test specimen must not be damaged in any way that might affect future use.

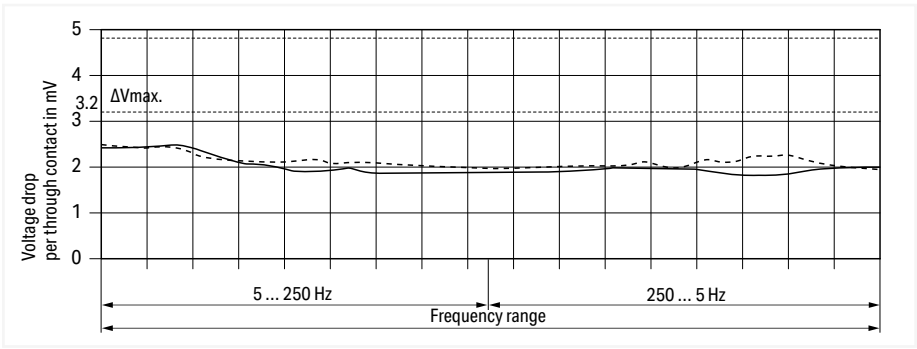
Since their inception, both CAGE CLAMP® and Push-in CAGE CLAMP® connections have been routinely tested for their resistance to vibration in connection with approval tests.

Additionally, WAGO conducts special self-resonance behavior tests on clamping systems, using different terminal block and conductor arrangements.
In these tests, a wide frequency band is continuously run up to 2000 Hz, at different accelerations up to 20g and different amplitudes up to 20 mm. The figure provides an example of a self-resonance vibration test configuration.



Self-resonance vibration test set-up

All WAGO spring clamp connections meet these test requirements.



Frequency cycle

Rail-mount terminal block: Item no. 280-681
Test current: 1/10 I_N = 2,4 A

---------- Test specimen no. 1
- - - - - - - - - Test specimen no. 2

7

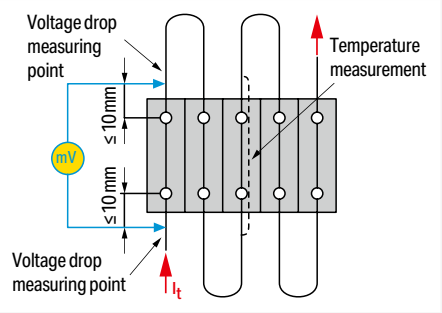
Tests and Testing Procedures per IEC/EN Standards (continued)

Electrical Tests

All WAGO products meet requirements for the following electrical tests:

- Temperature-Rise Test per IEC/EN 60947-7-1

The temperature-rise test examines the clamping unit – including the surrounding insulation – at rated current, over-current and short-circuit current levels.
Unless otherwise specified in the related equipment specification, e.g., by specifying the nominal currents of the equipment, terminal blocks and connectors are tested with current loads as specified in the respective construction specification.
For rail-mount terminal blocks complying with IEC 60947-7-1/EN 60947-7-1/VDE 0611-1, or terminal blocks complying with IEC 60998-1/EN 60998-1/ VDE 0613-1, the temperature rise must not exceed 45 Kelvin.



Test arrangement: "Temperature-Rise Test"

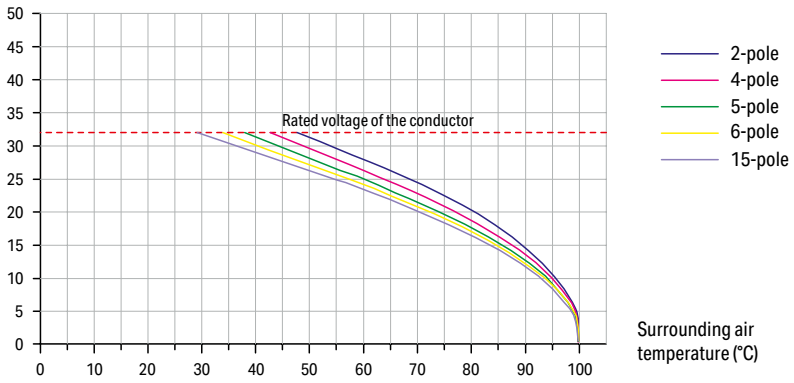
Rated Cross-Section	Test Current per IEC/EN	
	60947-7-1 Table 4	60998-1 Table 2
mm²	A	A
0.2 0.34	4 5	4 5
0.5 0.75	6 9	6 9
1 1.5	13.5 17.5	13.5 17.5
2.5 4	24 32	24 32
6 10	41 57	41 57
16 25	76 101	76 101
35 –	125	125
50 70	150 192	
95 –	232	
120 150	269 309	
185 240	353 415	
300	520	

Conductor Size	Test Current per IEC/EN
	60947-7-1 Table 5
AWG/kcmil	A
24 22	4 6
20 18	8 10
– 16	 16
14 12	22 29
10 8	38 50
6 4	67 90
2 1	121 139
1/0 2/0	162 185
3/0 4/0	217 242
250 kcmil 300 kcmil	271 309
350 kcmil 500 kcmil	353 415
600 kcmil	520

• Current-Carrying Capacity Curve per IEC/EN 60512-5-2

Both the design requirements and the current-carrying capacity of a connector must be checked by the user when selecting connectors. This data depends on the following factors: connected conductor cross section, surrounding air temperature, number of simultaneously loaded poles, connector's internal resistance, as well as PCB layout and connector materials if required. In accordance with IEC/EN 60512-5-2, the relationship between current, surrounding air temperature and temperature rise up to the connector's upper temperature limit is illustrated via current-carrying capacity curve. The connector must only be operated up to this temperature limit (sum of the self-generated heat and the surrounding air temperature) without being damaged or destroyed during operation.

Functioning of a current-carrying capacity curve per EN 60512-5-2 is shown by an application using a current-carrying capacity curve for the X-COM®-SYSTEM:
This application requires each pole of a 4-pole connector be subjected to a load of 32 A. Based on the basic curve determined for this pole number with a conductor cross section of 4 mm², it has been determined the maximum surrounding air temperature is 42°C (107.6°F). The current must be reduced at higher surrounding air temperatures, e.g., to 19 A at an surrounding air temperature of 80°C (176°F).



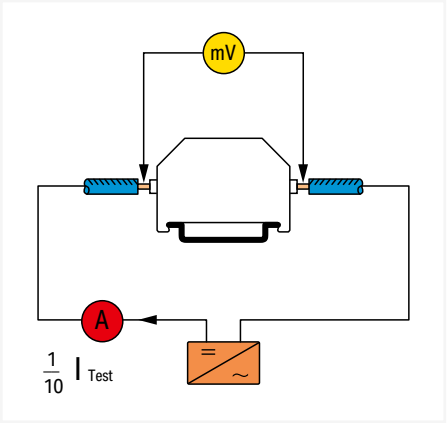
1-conductor/1-pin carrier terminal block (769-176)
Conductor cross section: 4 mm² (12 AWG)

1-conductor female plugs (769-102 to 769-115)
Conductor cross section: 4 mm² (12 AWG)
Conductor loop length: 1 m

Tests and Testing Procedures per IEC/EN Standards (continued)
Electrical Tests (continued)

- Voltage Drop Test per IEC/EN 60947-7-1

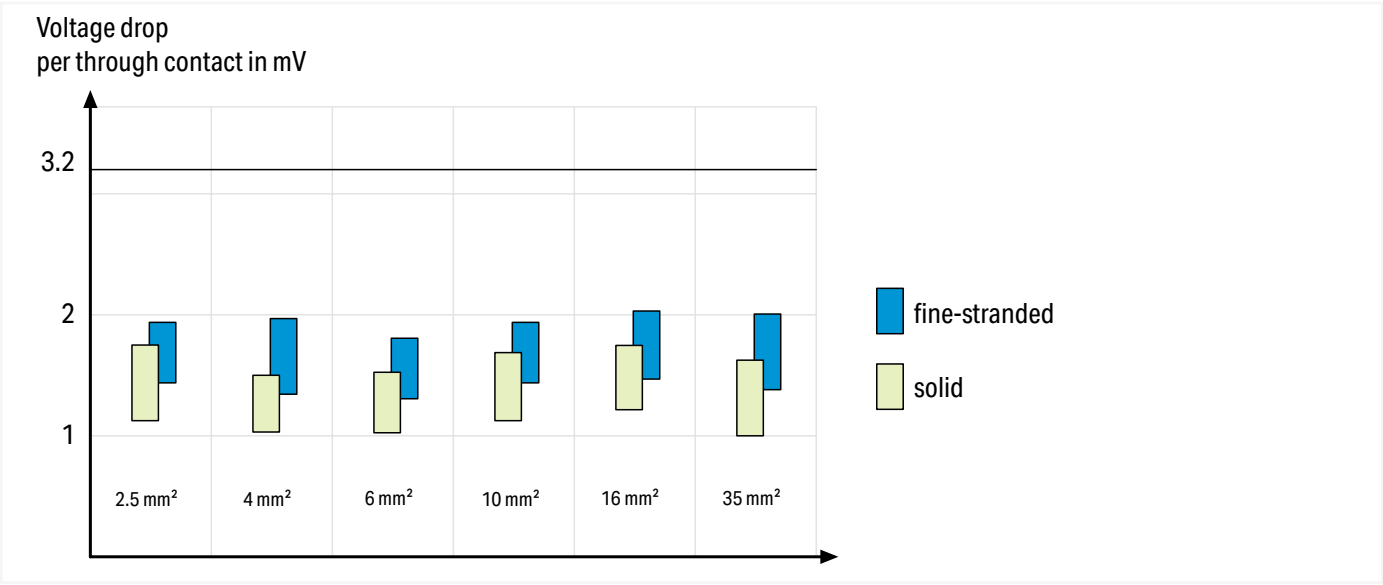
The voltage drop test evaluates clamping point quality under stress such as vibration, temperature change, industrial climate and salt spray, in order to verify that the contact point is gas-tight.



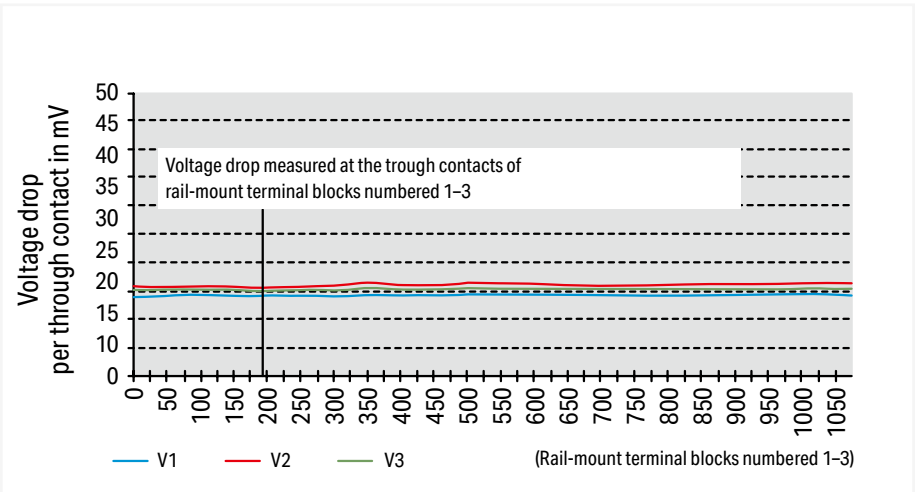
Test arrangement: "Voltage Drop Test"

The CAGE CLAMP® and Push-in CAGE CLAMP® connections enclose and contain fine-stranded conductors. Therefore, a variation of the voltage drop with solid and fine-stranded conductors is so small that its influence may be negligible for the practical application of the terminal blocks.

Typical voltage drop variations for solid and fine-stranded conductors of 280 to 285 Series CAGE CLAMP® Rail-Mount terminal Blocks:



Example: Current load cycling test result for rail-mount terminal blocks (item no. 285-195) using 95 mm² (4/0 AWG) fine-stranded copper conductors:

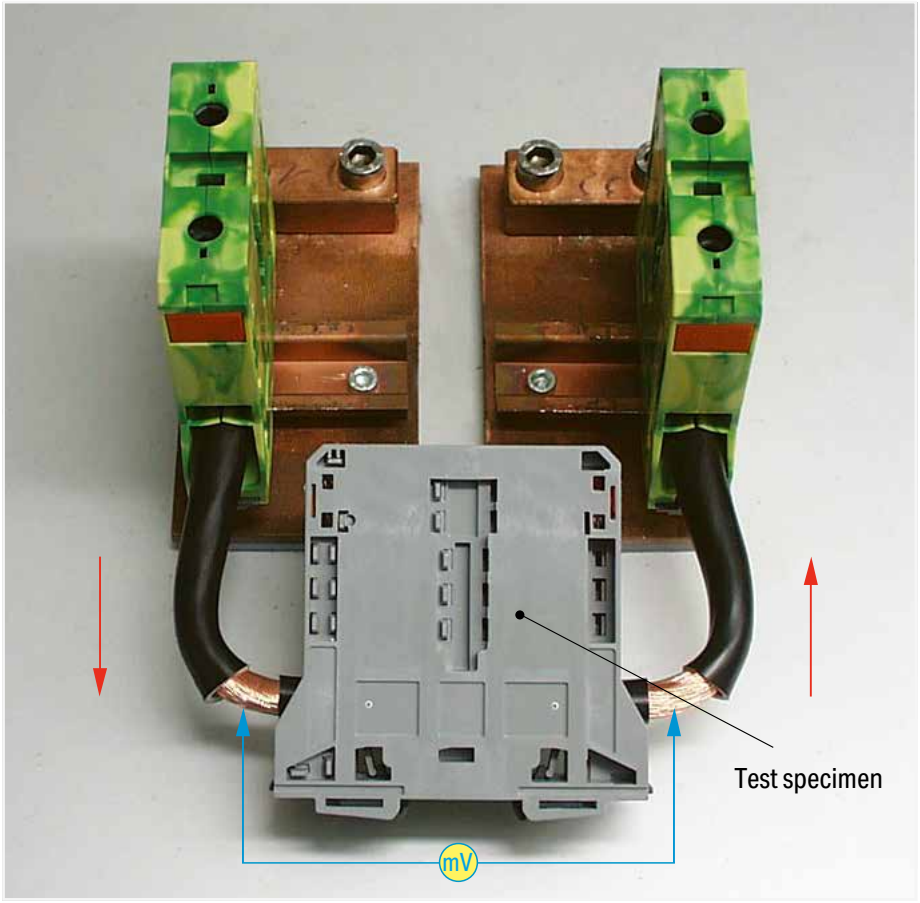


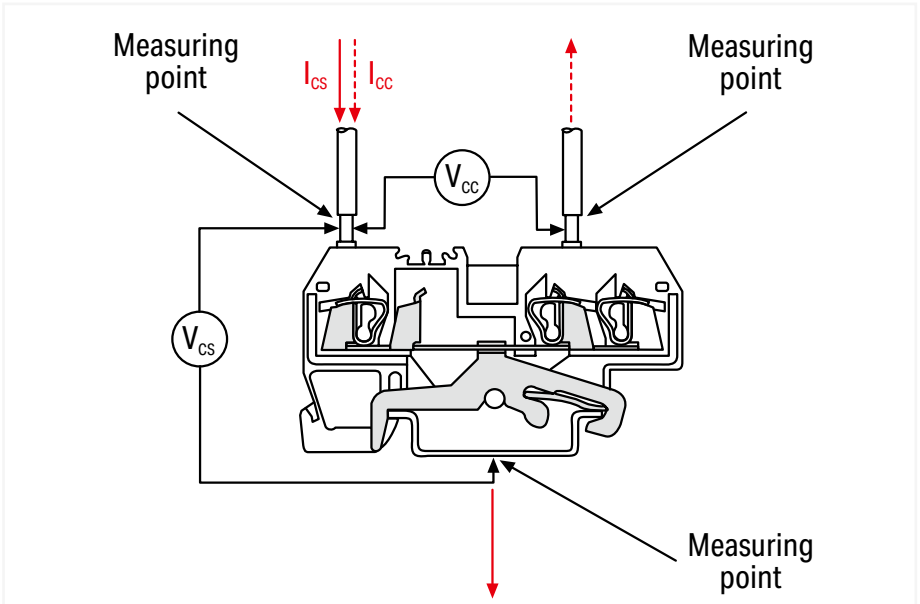
Voltage drop variation over longer periods under current load cycling conditions is shown for WAGO 285-195 (95 mm²/4/0 AWG) Rail-Mount Terminal Blocks using solid copper conductors. The diagram shows that the voltage drop is constant, far beyond the 192 cycles required in IEC 60947-7-1.

(The voltage drop was determined at the rated current.)

- Short-Time Withstand Current Test (Short-Circuit Withstand Capacity) per IEC/EN 60947-7-1

Apart from the rated current that can be constantly applied to an electrical device, operation-related short peak currents consistently occur in electrical installations, e.g., when motors are started. Also, in the event of a short circuit, a high current can flow for a short time until the fuse element melts. Terminal blocks and connecting devices must be able to withstand such conditions. For example, in the short-time withstand current test per IEC/EN 60947-7-1, a through rail-mount terminal blocks must be capable of withstanding for one second the rated short-time withstand current which corresponds to 120 A/mm² of its nominal cross section.





During the short-time withstand current test, the ground conductor rail-mount terminal blocks are subjected three times for one second each to a current load of 120 A/mm². The pass criterion for the test is the voltage drop (limiting value and constant measured values).

Tests and Testing Procedures per IEC/EN Standards (continued)
Electrical Tests (continued)

• Insulation Parameters per IEC/EN 60664-1

Clearances and Creepage Distances
The following generally applies:
The equipment specification contains data for the measurement of clearances and creepage distances, or refers to the data contained in the new revised edition of the basic standard DIN EN 60664-1/VDE 0110-1. This standard contains new clearances and creepage distances in compliance with insulation coordination requirements. That is, the insulation parameters of equipment are assigned to:
- the anticipated surge voltages
- the parameters of the protection device against impulse voltage
- the anticipated environmental conditions and the protection measures against pollution.

This standard is based on IEC 60604-1.

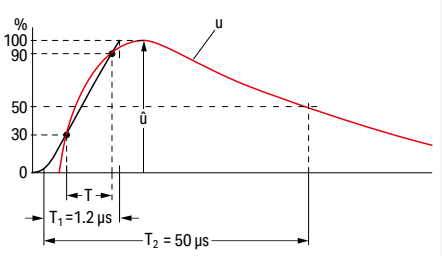
Overvoltage Categories for Electrical Equipment:
A specific overvoltage category must be defined on the basis of the following, general description:
- Equipment in **overvoltage category I** is intended to be connected to the fixed electrical installations of buildings. Protective means are taken outside the equipment – either in the fixed installation or between the fixed installation and the equipment – to limit transient overvoltages to the specific level.
- Equipment in **overvoltage category II** is to be connected to the fixed electrical installations of buildings.
  Note: Examples of such equipment are household appliances, portable tools and similar loads.
- Equipment in **overvoltage category III** is part of the fixed electrical installations and other equipment where a higher degree of availability is expected.
  Note: Examples of such equipment are distribution boards, circuit breakers, wiring systems (IEV 826-16-08, including cables, bus bars, junction boxes, switches, socket outlets) in the fixed installation and equipment for industrial use and other equipment, e.g., stationary motors with permanent connection to the fixed installation.
- Equipment in **overvoltage category IV** is for use in or near the feed-in of electrical building installations upstream of the main distribution board in the direction of the network.
  Note: Examples include electricity meters, primary overcurrent protection devices and ripple control units.

Clearances, Rated Surge Voltages, Overvoltage Categories, Pollution Degrees

Surge voltages (Table 1) are a decisive factor in determining clearances.

The basis forms the **overvoltage category**, i.e., the allocation of the equipment to the expected overvoltage, and the **conductor-ground voltage** derived from the nominal mains voltage in installations with a grounded Y (star) point.

In ungrounded installations, or installations where the conductor is not grounded, the voltage between conductors is applicable in the same way as conductor voltage to ground.



Voltage pulse: 1.2/50 µs per EN 60060-1/VDE 0432-1

The rated surge voltage must be selected from Table F.1 corresponding to the overvoltage category specified and to the rated voltage of the equipment.
Table F.1 – Rated Surge Voltage for Equipment Energized Directly from the Low-Voltage Mains (DIN EN 60664-1/VDE 0110-1)
Voltage Curve: 1.2/50 µs per IEC 60060-1/VDE 0432-1

Nominal voltage of the power supply system[1] (mains) per IEC 60038[3]		Conductor-to-neutral voltage, derived from the nominal AC or DC voltage up to and including:	Rated surge voltage[2] Overvoltage category[4]			
Three-phase V	Single-phase V	V	I V	II V	III V	IV V
		50	330	500	800	1500
		100	500	800	1500	2500
	120 ··· 240	150[5]	800	1500	2500	4000
230 / 400 277 / 480		300	1500	2500	4000	6000
400 690		600	2500	4000	6000	8000
1000		1000	4000	6000	8000	12000

[1] See Annex B for application to existing different low-voltage mains and their nominal voltages.
[2] Equipment with these rated impulse voltage levels can be used in installations complying with IEC 60364-4-443.
[3] The / mark indicates a 3-phase, 4-conductor system. The lower value is the conductor-to-neutral voltage, while the higher value is the conductor-to-conductor voltage. Where only one value is indicated, it refers to 3-phase, 3-conductor systems and specifies the conductor-to-conductor voltage.
[4] See 4.3.3.2.2 for an explanation of the overvoltage categories.
[5] The nominal voltages for single-phase systems in Japan are 100 V or 100 ··· 200 V. The value for the rated impulse voltage is, however, derived from the voltage gaps conductor-to-neutral for a voltage level of 150 V (see Annex B).

The nominal supply voltage and the corresponding rated impulse voltage values apply for grounded and ungrounded circuits.

Pollution Degrees

Pollution factors are all solid, liquid or gaseous foreign matter which may reduce the dielectric strength or the specific surface resistance. Factors are divided into four classes based on expected environmental conditions:

		Examples of pollution degrees for assigned areas:
Pollution degree 1:	No pollution, or only dry, non-conductive pollution occurs. Pollution has no influence.	Open, unprotected insulated equipment in air-conditioned or clean, dry rooms
Pollution degree 2:	Only non-conductive pollution occurs. Occasional, temporary conductivity caused by condensation can also be expected.	Open, unprotected insulated equipment in occupied areas, shops, laboratories, mechanical workshops and medical rooms.
Pollution degree 3:	Conductive pollution occurs, or dry, non-conductive pollution occurs which will become conductive due to condensation.	Open, unprotected insulated equipment in industrial, business and farming areas (e.g., unheated rooms, workshops and boiler rooms)
Pollution degree 4:	The pollution generates persistent conductivity caused by conductive dust, rain or wet conditions.	Open, unprotected insulated equipment for outdoor use

Dimensioning Clearances (DIN EN 60664-1/VDE 0110-1, Table F.2)

Select the minimum clearances in accordance with the rated surge voltages and pollution degrees. To maximize the operating life of the equipment, do not go below these minimum clearances.
Table F.2 contains a list of information for Case A, the inhomogeneous field and for Case B, the homogeneous field.
This involves an electric field with essentially constant (Case B) or non-constant (Case A) voltage gradients between the electrodes.
Equipment with a clearance that is dimensioned per Case A, in other words rated for the most unfavorable case, requires no verification by the impulse voltage test.
Equipment with a clearance that is dimensioned per Case B, or between A and B, requires verification by the impulse voltage test.

The clearances shown in Table F.2 are applicable for an installation height of up to 2000 m above sea level.

Values for clearances above 2000 m must be multiplied by a high correction factor in accordance with Table A.2.

Table F.2 – Clearances to Withstand Transient Overvoltages

DIN EN 60664-1/VDE 0110-1

Required Impulse Withstand Voltage[1)5)]	Minimum Clearances in Air up to 2000 m Above Sea Level					
	Case A Inhomogeneous Field (see 3.15)			Case B Homogeneous Field (see 3.14)		
	Pollution Degree[6]			Pollution Degree[6]		
	1	2	3	1	2	3
kV	mm	mm	mm	mm	mm	mm
0.33[2)]	0.01	0.2[3)4)]	0.8[4)]	0.01	0.2[3)4)]	0.8[4)]
0.4	0.02			0.02		
0.5[2)]	0.04			0.04		
0.6	0.06			0.06		
0.8[2)]	0.10			0.10		
1	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5[2)]	0.5	0.5		0.3	0.3	
2	1	1	1	0.45	0.45	
2.5[2)]	1.5	1.5	1.5	0.6	0.6	
3	2	2	2	0.8	0.8	
4[2)]	3	3	3	1.2	1.2	1.2
5	4	4	4	1.5	1.5	1.5
6[2)]	5.5	5.5	5.5	2	2	2
8[2)]	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12[2)]	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

[1)] This voltage is for:
- Functional insulation: the maximum impulse voltage expected to occur across the clearance (see 5.1.5)
- Basic insulation directly exposed to or significantly influenced by transient overvoltages from the low-voltage mains (see 4.3.3.3, 4.3.3.4.1 and 5.1.6): the rated impulse voltage for the equipment;
- Other basic insulation (see 4.3.3.4.2): the highest impulse voltage that can occur in the circuit
  For reinforced insulation, see 5.1.6.

[2)] Preferred values specified in 4.2.3

[3)] For printed wiring material, the values for pollution degree 1 apply, except that the value must not be less than 0.04 mm, as specified in Table F.4.

[4)] The minimum clearances given for pollution degree 2 and 3 are based on the reduced withstand characteristics of the associated creepage distance under humidity conditions (see IEC 60664-5).

[5)] For parts or circuit within equipment subject to surge voltages based on 4.3.3.4.2, interpolation of values is allowed. However, standardization is achieved by using the preferred series of impulse voltage values based on 4.2.3.

[6)] The dimensions for pollution degree 4 are as specified for pollution degree 3, except that the minimum clearance is 1.6 mm.

Tests and Testing Procedures per IEC/EN Standards (continued)
Electrical Tests (continued)

• Insulation Parameters per IEC/EN 60664-1 (continued)

Creepage Distances, Rated Voltages, Material Groups

Criteria for dimensioning creepage distances are the rated voltages, pollution degrees and material groups.
The pollution degrees specified for the clearances, and its quoted allocation to locations, is also applicable for creepage distances.
Tables F.3 a and F.3 b of DIN EN 60664-1/ VDE 0110-1 contain the rated voltages that have to be considered for dimensioning the minimum creepage distances.

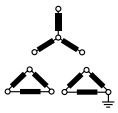
Altitude m	Standard Air Pressure (in kPa)	Multiplier for Clearances
2000	80	1
3000	70	1.14
4000	62	1.29
5000	54	1.48
6000	47	1.7
7000	41	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12	6.67
20000	5.5	14.5

Table F.3a – Single-Phase, 3- or 2-Conductor, AC or DC Systems

Nominal Voltage of the Power Supply System (Mains)* V	Voltages for Table F.4	
	For insulation conductor-to-conductor[1)] All systems V	For insulation conductor-to-ground[1)] Three-conductor systems, center-point grounded V
12.5	12.5	
24 25	25	
30	32	
42 48 50**	50	
60	63	
30 to 60	63	32
100**	100	
110 120	125	
150**	160	
200	200	
110 to 200	200	100
220	250	
110 to 220 120 to 240	250	
300**	320	
220 to 440	500	250
600**	630	
480 to 960	1000	500
1000**	1000	

[1)] Conductor-to-ground insulation level for non-grounded or impedance-grounded systems equals that for conductor-to-conductor, as the operating voltage to ground of any conductor can, in practice, approach full conductor-to-conductor voltage. This is because the actual voltage to ground is determined by the insulation resistance and capacitive reactance of each conductor to ground; thus, low (but acceptable) insulation resistance of one conductor can in effect ground it and raise the other two to full conductor-to-conductor voltage to ground.
*For the relationship to rated voltage, see 4.3.2.
**These values correspond to the values given in Table F.1.

Table F.3b – Single-Phase, 4- or 3-Conductor AC Systems

Nominal Voltage of the Power Supply System (Mains)*	Voltages for Table F.4		
	For insulation conductor-to-conductor[1]	For insulation conductor-to-ground[1]	
	All systems	Three-phase, 4-conductor systems with grounded neutral conductor[2]	Three-phase, 3-conductor systems, non-grounded[1] or grounded conductor 
V	V	V	V
60	63	32	63
110 120 127	125	80	125
150**	160		160
200	200		200
208	200	125	200
220 230 240	250	160	250
300**	320		320
380 400 415	400	250	400
440	500	250	500
480 500	500	320	500
575	630	400	630
600**	630		630
660 690	630	400	630
720 830	800	500	800
960	1000	630	1000
1000**	1000		1000

[1] Conductor-to-ground insulation level for non-grounded or impedance-grounded systems equals that for conductor-to-conductor, as the operating voltage to ground of any conductor can, in practice, approach full conductor-to-conductor voltage. This is because the actual voltage to ground is determined by the insulation resistance and capacitive reactance of each conductor to ground; thus, low (but acceptable) insulation resistance of one conductor can in effect ground it and raise the other two to full conductor-to-conductor voltage to ground.
[2] For equipment used on both three-phase, 4-conductor and three-phase, 3-conductor systems, grounded and non-grounded, use only the values for 3-conductor systems.
*For the relationship to rated voltage, see 4.3.2.
**These values correspond to the values given in Table F.1.

Material Groups

Insulation materials are classified into four groups according to their Comparative Tracking Index (CTI) as follows:

Material Group I: $600 \leq CTI$
Material Group II: $400 \leq CTI < 600$
Material Group IIIa: $175 \leq CTI < 400$
Material Group IIIb: $100 \leq CTI < 175$

The CTI values above refer to values obtained in accordance with DIN EN 60664-1/ VDE 0110-1 on samples specially made for this purpose and tested with Solution A.

Tests and Testing Procedures per IEC/EN Standards (continued)
Electrical Tests (continued)

- Insulation Parameters per IEC/EN 60664-1 (continued)

Table F.4 – Creepage Distances to Avoid Failure due to Tracking
DIN EN 60664-1/VDE 0110-1

Voltage[1] (RMS)	Minimum Creepage Distances								
	Printed Circuits		Pollution Degree						
	Pollution Degree								
	1 All Material Groups	2 All Material Groups except IIIb	1 All Material Groups	2 Material Group I	2 Material Group II	2 Material Group III	3 Material Group I	3 Material Group II	3 Material Group III[2]
V	mm	mm	mm	mm	mm	mm	mm	mm	mm
10	0.025	0.04	0.08	0.4	0.4	0.4	1	1	1
12.5	0.025	0.04	0.09	0.42	0.42	0.42	1.05	1.05	1.05
16	0.025	0.04	0.1	0.45	0.45	0.45	1.1	1.1	1.1
20	0.025	0.04	0.11	0.48	0.48	0.48	1.2	1.2	1.2
25	0.025	0.04	0.125	0.50	0.5	0.5	1.25	1.25	1.25
32	0.025	0.04	0.14	0.53	0.53	0.53	1.3	1.3	1.3
40	0.025	0.04	0.16	0.56	0.8	1.1	1.4	1.6	1.8
50	0.025	0.04	0.18	0.6	0.85	1.2	1.5	1.7	1.9
63	0.04	0.063	0.2	0.63	0.9	1.25	1.6	1.8	2
80	0.063	0.1	0.22	0.67	0.95	1.3	1.7	1.9	2.1
100	0.1	0.16	0.25	0.71	1	1.4	1.8	2	2.2
125	0.16	0.25	0.28	0.75	1.05	1.5	1.9	2.1	2.4
160	0.25	0.4	0.32	0.8	1.1	1.6	2	2.2	2.5
200	0.4	0.63	0.42	1	1.4	2	2.5	2.8	3.2
250	0.56	1	0.56	1.25	1.8	2.5	3.2	3.6	4
320	0.75	1.6	0.75	1.6	2.2	3.2	4	4.5	5
400	1	2	1	2	2.8	4	5	5.6	6.3
500	1.3	2.5	1.3	2.5	3.6	5	6.3	7.1	8 (7.9)[4]
630	1.8	3.2	1.8	3.2	4.5	6.3	8 (7.9)[4]	9 (8.4)[4]	10 (9)[4]
800	2.4	4	2.4	4	5.6	8	10 (9)[4]	11 (9.6)[4]	12.5 (10.2)[4]
1000	3.2	5	3.2	5	7.1	10	12.5 (10.2)[4]	14 (11.2)[4]	16 (12.8)[4]
1250			4.2	6.3	9.	12.5	16 (12.8)[4]	18 (14.4)[4]	20 (16)[4]
1600			5.6	8	11	16	20 (16)[4]	22 (17.6)[4]	25 (20)[4]
2000			7.5	10	14	20	25 (20)[4]	28 (22.4)[4]	32 (25.6)[4]
2500			10	12.5	18	25	32 (25.6)[4]	36 (28.8)[4]	40 (32)[4]
3200			12.5	16	22	32	40 (32)[4]	45 (36)[4]	50 (40)[4]
4000			16	20.	28	40	50 (40)[4]	56 (44.8)[4]	63 (50.4)[4]
5000			20	25	36	50	63 (50.4)[4]	71 (56.8)[4]	80 (64)[4]
6300			25	32	45	63	80 (64)[4]	90 (72)[4]	100 (80)[4]
8000			32	40	56	80	100 (80)[4]	110 (88)[4]	125 (100)[4]
10000			40	50	71	100	125 (100)[4]	140 (112)[4]	160 (128)[4]
12500			50[3]	63[3]	90[3]	125[3]			
16000			63[3]	80[3]	110[3]	160[3]			
20000			80[3]	100[3]	140[3]	200[3]			
25000			100[3]	125[3]	180[3]	250[3]			
32000			125[3]	160[3]	220[3]	320[3]			
40000			160[3]	200[3]	280[3]	400[3]			
50000			200[3]	250[3]	360[3]	500[3]			
63000			250[3]	320[3]	450[3]	600[3]			

[1] This voltage is for:

- Functional insulation; the working voltage
- Basic and supplementary insulation of the circuit energized directly from the mains (see 4.3.2.2.1): for the voltage rationalized through Table F.3a or F.3b, based on the rated voltage of the equipment, or the rated insulation voltage
- Basic and supplementary insulation of systems, equipment and internal circuits not energized directly from the mains (see 4.3.2.2.2.): the highest rms voltage which can occur in the system, equipment or internal circuit when supplied at rated voltage and under the most taxing combination of operation conditions within equipment rating

[2] Material group IIIb is not recommended for applications in pollution degree 3 above 630 V.
[3] Provisional data based on extrapolation. Technical committees who have other information based on experience may use their dimensions.
[4] The values in brackets must only be applied for reducing creepage distances if a rib is used (see 5.2.5).

The high degree of accuracy of the creepage distances given in the table does not imply that the measuring accuracy must be of the same quality.

Depending on the intended use, WAGO's terminal blocks, splicing and pluggable connectors are suitable for pollution degrees 2 or 3 and for overvoltage categories II or III.

Example:
WAGO Rail-Mount Through Terminal Blocks
per IEC 60947-7-1/
EN 60947-7-1/VDE 0611-1, these blocks have the following ratings:

800 V / 8 kV / 3

Rated voltage:	800 V
Rated surge voltage	8 kV
Pollution Degree	3
Overvoltage category	III

WAGO's connectors for household and similar mounted installations are rated per IEC 60998-1 / EN 60998-1 / VDE 0613-1, Table 3.

Example:
WAGO PUSH WIRE® Connectors for Junction Boxes
According to this standard,
these connectors are rated for:
*400 V / 4 kV / 2
*grounded circuits

Rated voltage:	400 V
Rated surge voltage	4 kV
Pollution Degree	2
Overvoltage category	II

Table 3 – Clearances and Creepage Distances
(IEC/EN 60998-1)

Rated Insulation Voltage V	Clearances/Creepage Distances mm
≤ 130	1.5
> 130 and ≤ 250	3
> 250 and ≤ 450	4
> 450 and ≤ 750	6
> 750	8

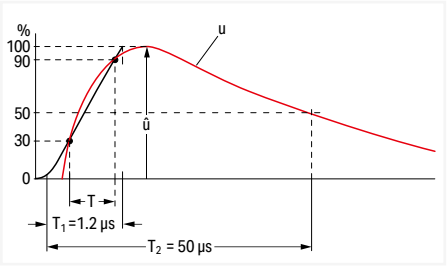
Tests and Testing Procedures per IEC/EN Standards (continued)
Electrical Tests (continued)

• Power-Frequency Withstand Voltage Test per IEC/EN 60947-7-1, IEC/EN 60947-1

This testing procedure verifies creepage distances. Creepage distances, i.e., the distances of creeping currents, are caused by conductive impurities on the surface of the insulation housing. Apart from the amount of impurities to which a terminal block is subjected, for example, the plastic material and housing design are also involved in generating creeping currents. The insulation material of the housing may be carbonized by a creeping current, which further increases conductivity.
The specimen is tested using a power-frequency withstand voltage for a short time. For example, a rail-mount terminal block designed to operate at 800 V nominal voltage is usually tested using 2000 V alternating voltage for one minute. The test is passed if no flashovers or breakdowns have occurred.

• Rated Impulse Withstand Voltage Test per IEC/EN 60947-7-1, IEC/EN 60947-1

This test verifies the clearances of a product. In simplified terms, clearance is the distance between two poles of a terminal block. If this distance is too small, voltage peaks may cause flashovers or breakdowns. The arrangement of the rated impulse withstand voltage test is identical to that of the power frequency withstand voltage test; the test voltages, however, are comparatively higher and the testing times shorter, e.g., 9.8 kV over 50 µs (see figure).



Voltage pulse: 1.2/50 µs per EN 60060-1/VDE 0432-1

Voltage pulse: measurement curve (red) and auxiliary curve (black) for calculating the rate of rise of the pulse and the resulting (virtual) peak of the curve.

T: Time interval for calculating the rate of rise
T1: Front time (duration between start of impulse and reaching the peak)
T2: Total pulse duration

The test values are the values at sea level as specified in the relevant test specification.
The values indicated in the catalog correspond to an altitude of 2000 m.
The test is passed if no flashovers or breakdowns have occurred.

• IP Ratings for Electrical Equipment per IEC/EN 60529

Alphanumeric Nomenclature for Type of Protection			
Code letters IP	Protection against accidental contact and against the penetration of foreign objects or water	IP (Ingress Protection) = International degree of protection	
First code number 0 to 6	Indicates the degree of protection against accidental contact and the penetration of foreign objects.	If indicating the degree of protection requires only one digit, the other (second) digit must be substituted for with an X.	
Second code number 0 to 8	Indicates the degree of protection against water penetration.		
First code number:		Second code number:	
IP0X	No protection against accidental contact or the penetration of foreign objects	IPX0	No protection against water
IP1X	Protection against foreign objects > 50 mm	IPX1	Protection against vertically falling water
IP2X	Protection against foreign objects > 12 mm (e.g., finger)	IPX2	Protection against diagonally dripping water (15° angle)
IP3X	Protection against foreign objects > 2.5 mm	IPX3	Protection against water spray
IP4X	Protection against foreign objects > 1 mm	IPX4	Protection against water spray
IP5X	Protection against damaging dust deposits	IPX5	Protection against water jet, e.g., from a nozzle
IP6X	Protection against dust penetration	IPX6	Protection against flooding
		IPX7	Protection against temporary immersion
		IPX8	Protection against continuous immersion
		IPX9	Protection against high-pressure and high-temperature water jets

IP vs. NEMA	
IP Code	NEMA
10	1
11	2
54	3
14	3R
54	3S
55	4&4X
52	5
67	6&6P
52	12&12K
54	13

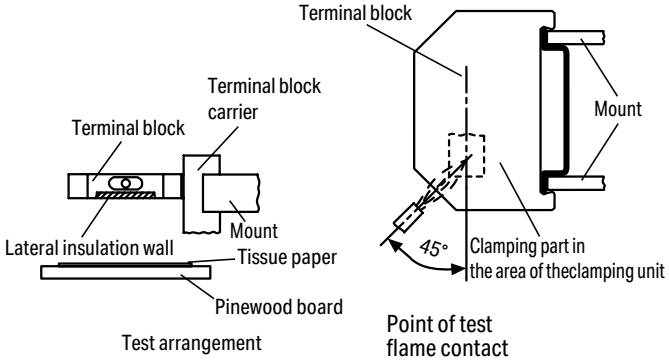
Tests and Testing Procedures per IEC/EN Standards (continued)

Material Tests

All WAGO products meet requirements for the following material tests:

- Needle Flame Test per IEC/EN 60947-7-1, IEC/EN 60695-11-5

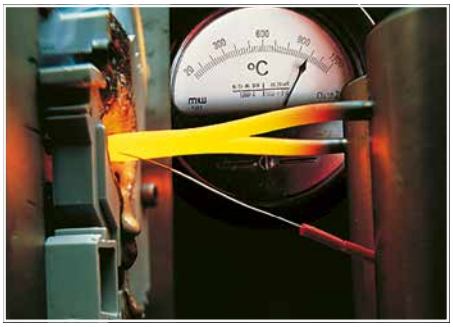
This test simulates flames that may arise under certain conditions (e.g, fault current over a creepage distance, overloading of parts or components). Nearby parts can also be affected by such flames.
Not only the ignition of the test specimen resulting from an intrinsic defect is tested, but also its behavior when other parts ignite.



Flames must not be fuelled by the insulation materials used, thus creating a larger fire. The test specimen is exposed to a standard gas flame during a defined time period (e.g., ten seconds).
After the test flame has been removed, the specimen must self-extinguish within 30 seconds. Furthermore, a layer of tissue paper located beneath the specimen must not be ignited by glowing particles falling from the specimen.

- Glow-Wire Test per IEC/EN 60998-1, IEC/EN 60695-2-11

In the event of failure, a high current may cause a conductor to glow.



However, the glowing conductor shall not cause ignition of the product involved (e.g., a rail-mount terminal block). For the glow-wire test, the tip of the glow-wire is pressed against a surface of the test specimen (see picture).
The position of the test specimen, surface to be tested, test duration and glow-wire temperature (e.g., 960°C/1760°F over 30 seconds, or 850°C/1562°F over 5 seconds) are specified in the standards.
The specimen must be positioned such that the tip of the glow-wire acts on the surface section of the specimen (vertical surface of the specimen) that is most likely to be exposed to thermal loading during normal use.

As the highest temperature in the event of a fault is anticipated at the contact insert/wire connection, the tip of the glow-wire must act upon the section of the insulation housing that is the closest to this contact point.
The test is passed if there are no visible flames or permanent glowing, or if flames or glowing extinguish within 30 seconds after removal of the glow-wire. Furthermore, a layer of tissue paper located beneath the specimen must not be ignited by glowing particles falling from the specimen.

Tests and Testing Procedures per IEC/EN Standards (continued)

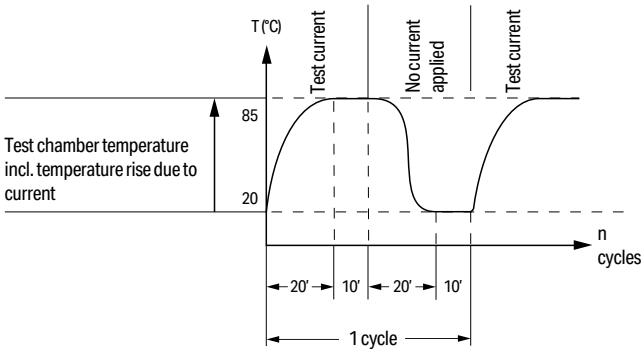
Environmental Tests

The following tests show how a product reacts when exposed to an aggressive environment. Climatic chambers simulate standard atmospheres that could impact the long-term consistency of clamping units.

All WAGO products meet the requirements of the following environmental tests:

- Temperature Cycling Test per IEC/EN 60947-7-1, IEC/EN 60998-2-2

This test shows the change of voltage drop over longer periods under temperature cycling conditions. The test procedure usually consists of 192 temperature cycles, for example, each cycle having a duration of 60 minutes (see diagram).



The rated current is applied to the test specimen during temperature rise and when the temperature has reached its maximum value; during the second half of the cycle, the current is zero. Voltage drop is measured every 24 cycles and must not exceed a maximum value or vary greatly. The voltage drop measured at the end of the 192nd cycle must not exceed 1.5 times the value measured after the 24th cycle. After the test, an inspection must show no changes that would impair further use of the product.

- Industrial Atmospheres per EN ISO 6988, IEC/EN 60068-2-42, IEC/EN 60068-2-60

Sulphur and its combustion products are particularly aggressive pollutants commonly found in industrial environments. A test procedure simulating such corrosive conditions consists of exposing a test specimen to water condensation in variable atmospheres containing sulphur dioxide.

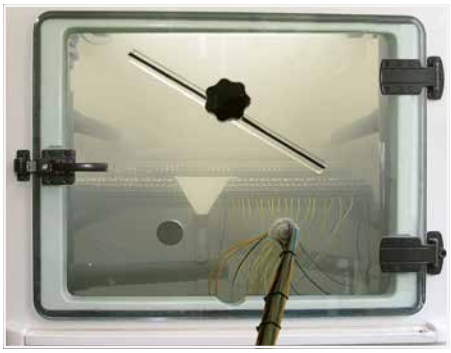
A saturated atmosphere is first created in a climatic chamber by heating an aqueous sulphur dioxide solution. After less than half an hour, the test specimen is fully saturated by the condensing vapors and exposed to this atmosphere for eight hours.

After exposure to a humid atmosphere, the test specimen is subjected to dry and cooler conditions at room temperature for 16 hours. Depending on the test severity, the specimen is exposed to both these conditions several times. The gas-tightness of the clamping unit is verified by a voltage drop test.

In other test procedures, products are exposed to a dry corrosive gas atmosphere containing sulfide, nitrogen and sulfur oxides or chloride gas. These tests can be performed over a period of four to 21 days.

• Salt Spray Test per IEC/EN 60068-2-11; DNV GL, LR (Marine Applications)

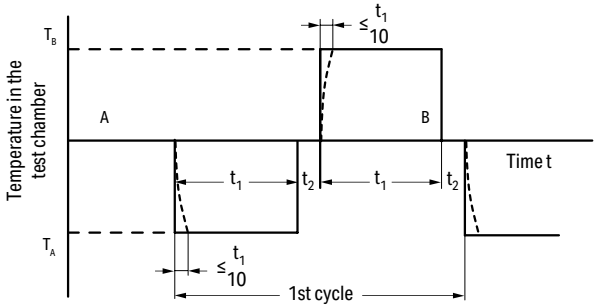
This test is similar to the test performed in atmospheres with varying water condensation, except that instead of industrial atmospheres, salt mist conditions will be simulated in a heated test chamber (see picture).



Depending on the test procedure being used, the test specimen is sprayed with salt mist for 16 hours up to 672 hours (4 weeks).
Salt spray tests are widely used, especially for marine approvals.
However, this test is performed differently than the test procedures described previously for general applications:
During a typical test, the test specimen is sprayed with a salt solution for two hours and is then stored for seven days in an atmosphere with a relative humidity between 90 and 95%.
This procedure is repeated four times.
Voltage drop measurements are used as an evaluation criterion.

• Quick Change of Temperature per IEC/EN 60068-2-14

Without air-conditioning, distribution panels and terminal boxes are exposed to seasonal (and ever-changing) temperature extremes – especially on the open field side.
In process technology, for example, a terminal block is exposed to even quicker changes in temperature.

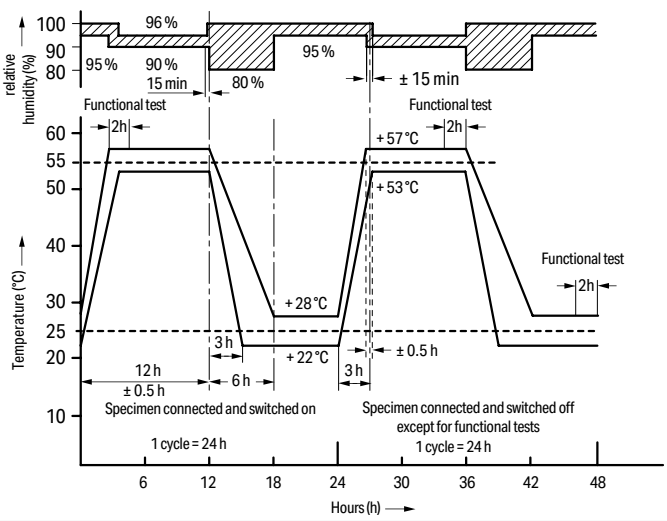


A: Beginning of first cycle
B: End of first and beginning of second cycle

To simulate such conditions, the test specimen is exposed to repeated temperature changes, for example, between TA −40°C (−104°F) and TB +70°C (+158°F).
The dwell time t1 depends on the thermal capacity of the test specimen and should be between maximum of 3 h and minimum of 10 min and the transition time t2 2 ⋯ 3 min, 20 ⋯ 30 s or less than 10 s.
The mechanical and electrical properties of the product are checked at the end of the test.

• Damp Heat, Cyclic (12 + 12 Hour Cycle) per IEC/EN 60068-2-30, DNV GL, LR (Marine Applications)

This test determines the suitability of electrical equipment for use and storage under conditions of high relative humidity when combined with cyclic temperature changes and, in general, producing condensation on the surface of the specimen.



In addition to the salt spray tests, the damp heat test is also used for marine approvals.
For this test, the specimens are subjected to temperatures varying cyclically between +25°C (+77°F) and +55°C (+131°F) with a relative humidity of 95% (for tolerances see figure).
Functional tests are performed at defined times during the storage period.
The mechanical and electrical properties of the product are checked at the end of the test.

UL Specifications – Underwriters Laboratories, USA

WAGO's terminal blocks and connectors are tested by Underwriters Laboratories Inc. according to one or more of the relevant following UL standards:

• The 273 Series PUSH WIRE® Connectors for Junction Boxes or the 224 Series Lighting Connectors are splicing wire connectors and are certified per UL 486C. These stand-alone devices carry the **UL Listing Mark** ㊊.	UL 486C	Splicing wire connectors
• Rail-mount terminal blocks or modular terminal blocks (e.g., 280 Series, TOPJOB® S or 260 to 262 Series terminal blocks) are approved as non-stand-alone components per UL 1059 in connection with UL 486E.	UL 1059 UL 486E	Standard for terminal blocks Equipment wiring terminals for use with aluminum and/or copper conductors
• The X-COM®-SYSTEM is approved as terminal blocks per UL 1059 standard in connection with UL 486E. It is therefore defined for field and factory wiring with at 300 V.		
• It is also approved as connectors for use in data, signal, control and power applications per UL 1977 for factory wiring at 600 V (i.e., the clamping unit must be wired under controlled manufacturing conditions).	UL 1977	Component connectors for use in data, signal, control and power applications
• Ex e II terminal blocks are approved to UL 60079-7.	UL 60079-7	Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety
• Ground terminal blocks are tested for grounding and bonding applications per UL 467. Components bearing the **UR Recognition Mark** ᖰᖱ are recognized product. Additionally, after being mounted in their special applications, these components are submitted to an end-product test according to the relevant device or equipment standard.	UL 467	Grounding and bonding equipment
• Insulation materials are tested for flammability and performance per UL 94.	UL 94	Tests for flammability of plastic materials for parts in devices and appliances

Tests and Testing Procedures per UL Standards

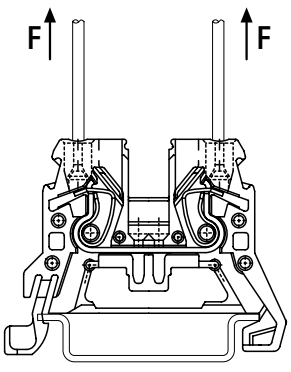
All WAGO products meet requirements for the following tests:

- Pull-Out Test per UL 1059, UL 486E (Rail-Mount Terminal Blocks), UL 486C (Splicing Wire Connectors)

In this test, the connected conductors are subjected to the appropriate pull-out forces specified in the following table without jerking for a period of one minute. Different test arrangements are specified for rail-mount terminal blocks and splicing wire connectors.

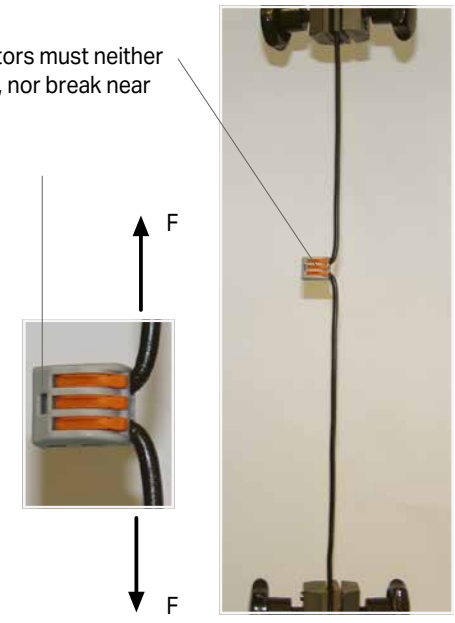
Conductor Size		Pull-Out Force, Pounds (N)					
		UL 486E, Table 22				UL 486C, Table 20	
		Copper		Aluminum		Copper	
AWG or kcmil	(mm²)						
30	(0.05)	0.5	(2.2)	-	-	1.5	(6.7)
28	(0.08)	1	(4.5)	-	-	2	(8.9)
26	(0.13)	2	(8.9)	-	-	3	(13.4)
24	(0.2)	3	(13.4)	-	-	5	(22.3)
22	(0.32)	4.5	(20)	-	-	8	(35.6)
20	(0.52)	6.75	(30)	-	-	10	(44.5)
18	(0.82)	6.75	(30)	-	-	10	(44.5)
16	(1.3)	9	(40)	-	-	15	(66.7)
14	(2.1)	11.5	(50)	-	-	25	(111)
12	(3.3)	13.5	(60)	10	(44)	35	(155)
10	(5.3)	18	(80)	10	(44)	40	(178)
8	(8.4)	20.5	(90)	10	(44)	45	(200)
6	(13.3)	21	(94)	28	(124)	50	(222)
4	(21.2)	30	(133)	36	(160)		
3	(26.7)	35	(156)	42	(187)		
2	(33.6)	42	(186)	50	(222)		
1	(42.4)	53	(236)	61	(271)		
1/0	(53.5)	64	(285)	72	(320)		
2/0	(67.4)	64	(285)	78	(347)		
3/0	(85.0)	79	(351)	97	(432)		
4/0	(107)	96	(427)	116	(516)		
250	(127)	96	(427)	116	(516)		
300	(156)	99	(441)	116	(516)		

Test Arrangement per UL 1059, UL 486E:



Test Arrangement per UL 486C:

During the test, the conductors must neither slip out of the clamping unit, nor break near the clamping unit.



UL Specifications – Underwriters Laboratories, USA (continued)
Tests and Testing Procedures per UL Standards (continued)

- Heat Cycling Test per UL 1059, UL 486E

Test performed per:

UL 1059

Test performed with maximum rated cross section

Test current: 150% of maximum rated current

84 cycles of: 3 1/2 h ON / 1/2 h OFF

The temperature rise is measured after the first and the 84th cycle.

The temperature rise must not exceed 5°C (41°F) after the 84th cycle, compared to the temperature measured after the first cycle.

UL 486C (Splicing wire connectors)

UL 486E (Equipment wiring terminals)

Test performed with maximum rated cross section

Test current: Increased test current per UL 486C, Table 6 UL 486E, Table 4

500 cycles of: 1 h ON / 1 h OFF
1 1/2 h ON / 1 1/2 h OFF
(from 4/0 AWG up to 400 kcmil per UL 486E)

The temperature rises at the terminal blocks and control conductors are measured and recorded after: 1, 25, 50, 75, 100, 125, 175, 225, 275, 350, 425 and 500 cycles.

The temperature rise must not exceed 125°C (257°F) and the stability factor "S" must not exceed ±10.

Conductor Size		Test Current for Copper Conductors in A								
		UL 486E, Table 4							UL 486C, Table 6	
AWG or kcmil	(mm²)	Assigned Maximum Ampere Rating[b]	Static Heating[a,c,g]		Heat Cycling Temperature Rating[a] 75°C (167°F)[d,g]		90°C (194°F)[e,g]		Static Heating	Heat Cycling
30	(0.05)	-		3		3.5		4	3	3.5
28	(0.08)	-		3.5		4		5	3.5	4
26	(0.13)	-		5.5		6		8	5.5	6
24	(0.2)	-		7		8		10	7	8
22	(0.32)	-		9		12		13	9	12
20	(0.52)	-		12		16		17	12	16
18	(0.82)	-		17		19		24	17	19
16	(1.3)	-		18		20		31	18	20
14	(2.1)	15	[20]	30	[22]	33	[27]	40	30	33
12	(3.3)	20	[25]	35	[28]	39	[40]	54	35	38
10	(5.3)	30	[40]	50	[45]	56	[60]	75	50	56
8	(8.4)	50		70		80		100	70	80
6	(13.3)	65		95		105		131	95	105
4	(21.2)	85		125		140		175		
3	(26.7)	100		145		165		205		
2	(33.6)	115		170		190		240		
1	(42.4)	130		195		220		275		
1/0	(53.5)	150		230		255		320		
2/0	(67.4)	175		265		300		370		
3/0	(85.0)	200		310		345		435		
4/0	(107)	230		360		405		505		
250	(127)	255		405		445		565		
300	(152)	285		445		500		625		

[a] See Section 7.2, 8.2 and 9.2 (UL 486E)
[b] Values are for 75°C (167°F), not more than 3 conductors in raceway or cable ampacities, National Electric Code, ANSI/NFPA 70.
[c] Values are for 75°C (167°F) single conductors in free air ampacities, National Electric Code, ANSI/NFPA 70.
[d] Values are approximately 112% of the static heating test currents.
[e] Values for 8 AWG and larger conductors are approximately 140% of the static heating test currents.
[f] See Section 9.2.4
[g] Values in parentheses apply to connectors with assigned ampere ratings.

• Conditioning – Temperature-Rise Rest per UL 1059, UL 486C

Test performed per:

UL 1059 (Rail-mount terminal blocks) **UL 486C** (Splicing wire connectors)

Conditioning:

The clamping units are **pre-wired/pre-inserted nine times** using a conductor with maximum rated cross section. At the tenth time, a new conductor is connected.
After this, a static heating test is performed.

Static Heating Test:

Test current:	Terminal block rated current	Test current:	Increased test current (see Table 6)
Test duration:	30 days	Test duration:	30 days
Max. permissible temperature rise:	30°C (86°F)	Max. permissible temperature rise:	50°C (122°F)

• Grounding and Bonding Equipment per UL 467

When used in grounding and bonding equipment, e.g., terminal blocks, must withstand a short circuit test using the test currents and test durations as specified in Table 5.

In the following example, a 2 AWG (35 mm²) ground conductor terminal block (285-635) is tested for 6 seconds at 3900 A.

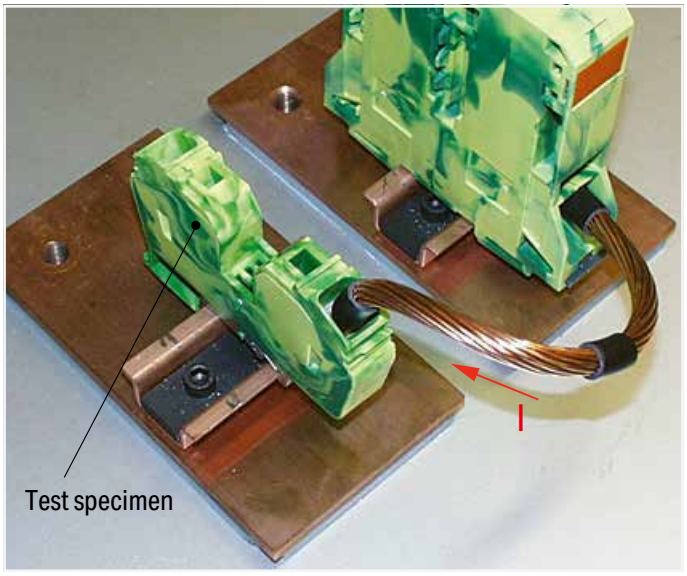


Table 5

Conductor Size Copper		Test Duration	Test Current
AWG	mm²	s	A
14	(2.1)	4	300
12	(3.3)	4	470
10	(5.3)	4	750
8	(8.4)	4	1180
6	(13.3)	6	1530
4	(21.2)	6	2450
3	(26.7)	6	3100
2	(33.6)	6	3900
1	(42.4)	6	4900
1/0	(53.5)	9	5050
2/0	(67.4)	9	6400
3/0	(85.0)	9	8030
4/0	(107)	9	10100
250 kcmil	(127)	9	12000

After the test, the specimen must neither show evidence of cracking, breaking or melting, nor any changes in electrical properties.

UL Specifications – Underwriters Laboratories, USA (continued)
Tests and Testing Procedures per UL Standards (continued)

• Insulation Parameters per UL 1059

The table below shows the potential involved and the corresponding clearances and creepage distances required in different applications.

Table 8.1 – Minimum Acceptable Spacing for Terminal Blocks per UL 1059 Standard

		Spacing in inches (mm) between uninsulated live parts of opposite polarity, uninsulated live parts and uninsulated grounded parts other than the enclosure			
Application:	Potential Involved in Volts	Through Air		Over Surfaces	
A. Dead-front switchboards, panelboards, service equipment and similar applications	51 ⋯ 150 151 ⋯ 300 301 ⋯ 600	1/2 3/4 1	(12.7) (19.1) (25.4)	3/4 1-1/4 2	(19.1) (31.8) (50.8)
B. Commercial appliances, including business equipment, electronic data processing equipment and similar applications	51 ⋯ 150 151 ⋯ 300 301 ⋯ 600	1/16[a] 3/32[a] 3/8	(1.6)[a] (2.4)[a] (9.5)	1/16[a] 3/32[a] 1/2	(1.6)[a] (2.4)[a] (12.7)
C. Industrial, general	51 ⋯ 150 151 ⋯ 300 301 ⋯ 600	1/8[a] 1/4 3/8	(3.2)[a] (6.4) (9.5)	1/4 3/8 1/2	(6.4) (9.5) (12.7)
D. Industrial, devices having limited ratings[b]	51 ⋯ 300 301 ⋯ 600	1/16[a] 3/16[a]	(1.6)[a] (4.8)[a]	1/8[a] 3/8	(3.2)[a] (9.5)
E. Terminal blocks rated 601 ⋯ 1500 V[c]	601 ⋯ 1000 1001 ⋯ 1500	0.55 0.70	(14.0) (17.8)	0.85 1.20	(21.6) (30.5)

Notes:

1 A slot, groove, or similar, 0.013 inch (0.33 mm) wide or less in the contour of the insulating material is to be disregarded.

2 Air space of 0.33 mm or less between a live part and an insulating surface is to be disregarded for the purpose of measuring over surface spacing.

[a] The spacing between terminal blocks of opposite polarity and the spacing between a terminal block and a grounded dead metal part shall not be less than 1/4 inch (6.4 mm) if short-circuiting or grounding of such terminal blocks may result from protruding wire strands.

[b] See Section 8.5 (UL 1059)
The spacing values indicated in sub-paragraph D in Table 8.1 are applicable to a terminal block for use only in or with industrial control equipment where the load on any single circuit of the terminal block does not exceed 15 A at 51 ⋯ 150 V, 10 A at 151 ⋯ 300 V, 5 A at 301 ⋯ 600 V or the maximum ampere rating, whichever is less.

[c] Applies only to terminal blocks investigated to Part II of this standard. See Section 22.1 (UL 1059).

• Flammability Test per UL 94

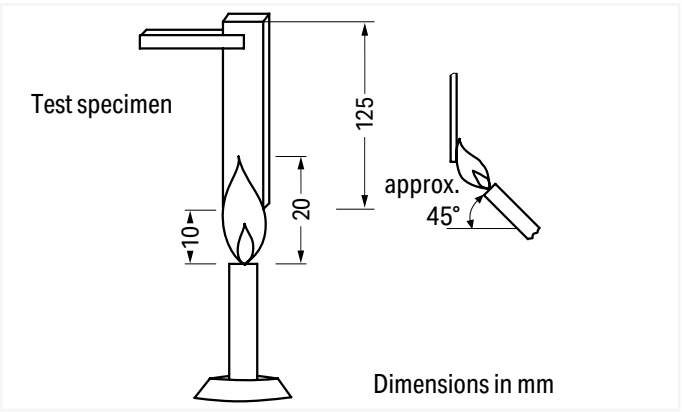
This test provides an indication of the material's ability to extinguish a flame, once ignited.
Several ratings can be applied, based on the rated of burning, time to extinguish, ability to resist dripping, and afterglow extinguishing time.
Each material tested may receive several ratings, depending on the wall thickness.

UL 94 Rating Categories:

V2
- Specimen mounted vertically
- Burning stops within 30 seconds after the flame is removed
- Flaming drips allowed
- Afterglow extinguishes within max. 60 s

V1
- Specimen mounted vertically
- Burning stops within 30 seconds after the flame is removed
- No flaming drips allowed
- Afterglow extinguishes within max. 60 s

V0
- Specimen mounted vertically
- Burning stops within 10 seconds after the flame is removed
- No flaming drips allowed
- Afterglow extinguishes within max. 30 s



During the test, a 3/4 inch (20 ±1 mm) flame is applied for two 10-second intervals to the specified bar specimen held vertically.

"Alu-Plus" Contact Paste
Terminating aluminum conductors

Terminating Aluminum Conductors
WAGO spring clamp terminal blocks are suitable for solid aluminum conductors ❶ up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:
- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

For spring clamp connections with PUSH WIRE® connection technology, **WAGO recommends that the aluminum conductor first be cleaned** and then immediately inserted into the clamping unit filled with "Alu-Plus" contact paste

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:

2.5 mm² (14 AWG) = 16 A
4 mm² (12 AWG) = 22 A

WAGO "Alu-Plus" in the syringe offers a higher degree of reliability and cleanliness when terminating solid aluminum conductors. Filling is quickly performed on selected WAGO connectors and terminal blocks (see pictures).

❶ Aluminum conductors per IEC 61545 standard, Class B, "Alloy 1370" with 90 ··· 180 N/mm² tensile strength and 1 ··· 4% elongation
Standard values: 90 ··· 180 MPa tensile strength, 1 ··· 4% elongation (per EN 615.4.1)

WAGO Lighting Connectors
Push nozzle of the "Alu-Plus" syringe first into the circular entry and then into the square conductor entry hole of the WAGO Lighting Connector.

Press plunger down until the "Alu-Plus" has filled both entry holes.

Note: Not suitable for higher temperature applications!

WAGO Rail-Mount Terminal Blocks (up to 4 mm²/12 AWG)
For each conductor entry: Insert nozzle of the "Alu-Plus" syringe in every open conductor entry hole (one after the other).

Press plunger down until "Alu-Plus" has filled all conductor entry holes.

Material Specifications

Insulation materials

WAGO primarily uses polyamide (PA 66 and PA 46) for housing current-conducting parts, as well as polyphthalamide (PPA) and polycarbonate (PC) for insulation material (see table). For more than 50 years, these materials have proven themselves in WAGO products and all are approved by certified, third-party agencies. All listed halogen-free and flame-retardant polymer materials do not contain any heavy metals, silicone, asbestos, or formaldehyde as formulation components.

Table: Standard Insulation Materials

Material	PA 66	PA 66 GF	PPA GF	PA 46	PC	PC
Flammability UL 94 flammability test ratings	V0	V0	V0	V2	V2	V0
Oxygen Index (OI) per EN ISO 4589-2	> 32 %	> 33 %	> 37 %	> 27 %	> 26 %	> 35 %
Glow-wire test per IEC 60695-2-12 GWFI* IEC 60695-2-13 GWIT*	850°C 775°C	850°C 775°C	850°C 775°C	750°C 725°C	800°C 850°C	960°C 850°C
Comparative Tracking Index (CTI) per IEC 60112	600 V	600 V	600 V	375 V	225 V	225 V
Temperature of the ball indentation hardness test per IEC 60695-10-2	≥ 125 °C	≥ 175 °C	≥ 225 °C	n.s.**	≥ 125 °C	≥ 125 °C
RTI impact per UL 746B	105°C	100°C	115°C	115°C	125°C	120°C
Heat deflection temperature (HDT/B) per ISO 75 (bending stress A*: 1.8 MPa; B: 0.45 MPa)	215°C	235°C	285°C	280°C	130°C (1.8 MPa)	130°C (1.8 MPa)
Surface resistivity per IEC 60093	10^{12} Ω	10^{12} Ω	10^{15} Ω	10^{13} Ω	10^{15} Ω	10^{15} Ω
Specific contact resistance per IEC 60093	10^{15} Ω/cm	10^{15} Ω/cm	10^{13} Ω/cm	10^{13} Ω/cm	10^{11} Ω/cm	10^{13} Ω/cm
Dielectric strength per IEC 60243-1	30 kV/mm	40 kV/mm	25 kV/mm	25 kV/mm	25 kV/mm	29 kV/mm

*Value depends on wall thickness, EN 60335 compliance upon request; **n. s. = not specified

General Environmental Requirements for WAGO Electrical Interconnection Products

WAGO Electrical Interconnection Products are designed for worldwide applications.
To properly commission products, the following environmental requirements must be observed during storage, transportation and operation.

Table 1: General Environmental Requirements for Storage, Transportation and Operation*

Environmental requirements during	Value range
Operation	-35 °C ⋯ +60 °C
Storage and transportation	-40 °C ⋯ +60 °C
Relative humidity (storage and transportation)	20 % ⋯ 95 % (non-condensing, no dew)

*These requirements apply to open and packaged products unless otherwise specified on the product at www.wago.com or on the catalog page.

Polyamide (PA 66)
WAGO uses modified, halogen-free, flame-retardant polyamides.

These materials do not corrode, are difficult to ignite and feature self-extinguishing properties (V0 rating per UL 94).

Adhering to UL 746C, the polyamides used at WAGO have a continuous operating temperature of 105°C (221°F) based on the relative temperature index with impact load (RTIimp). This ensures that the necessary electrical and mechanical insulating properties are maintained at a sufficiently guaranteed level over a long period of time.

The short-term upper temperature limit is 200°C (392°F).

In lower temperature ranges, it has been determined that no damage to the insulation material occurs during usage down to −35°C (−31°F). After installation and wiring, WAGO products can even be used at temperatures down to −60°C (−76°F).

Environmental humidity (up to 2.5% in a standard atmosphere) is absorbed, providing the polyamides with optimum elasticity, strength and durability.

In practical use, basic stabilization of WAGO's polyamides has been proven over many years to be sufficient to prevent damage caused by ozone or UV radiation exposure in intended applications.

Polyamides have excellent resilience against the most demanding climates and have proven themselves in tropical applications worldwide. Insulation parts made of polyamide are resistant to insects. The material does not provide oxygen or other biogenic elements to microorganisms.

The presence of anaerobic earth bacteria, mold, fungus and enzymes does not degrade the material.

Polyamides are resistant to most fuels, greases, and oils, as well as the most commonly used cleaners, such as alcohol, Freon, Frigen, and carbon tetrachloride. Acid resistance depends on the acid type and concentration, as well as the exposure time.

The use of insulation materials during in-house production at WAGO only occurs after acceptance of factory test certificates and specified material tests.

Glass Fiber-Reinforced Polyamide (PA 66 GF)
WAGO uses glass-fiber-reinforced polyamides for components with increased mechanical demands, such as levers, push-buttons or housings exposed to high stress, because they have significantly better mechanical characteristic properties than non-reinforced polyamides.

In general, materials are used that have excellent tracking resistance, flammability ratings and high temperature resistance.

More data can be found in the table.

Polyphthalamide (PPA GF)
Glass-fiber-reinforced, high-performance polyamides are ideal for high-temperature applications, due to the material's high level of thermal dimensional stability, its low dependence on ambient conditions and its excellent strength properties. The material's outstanding tracking resistance permits short creepage distances to be incorporated into miniature components. Fire protection equipment enables classification in flammability class V0 per UL 94 – even for extremely thin walls. PPA GF absorbs minute amounts of moisture from the atmosphere making it ideal for reflow soldering applications and for thin-walled, dimensionally stable components.

More data can be found in the table.

Polyamide (PA 46)
In comparison with PA 66, PA 46 has substantially higher dimensional stability under heat. The relative temperature index with impact load (RTIimp) is 115°C (239°F) for PA 4.6. The permissible short-term temperature for the type used by WAGO is 280°C (536°F).

More data can be found in the table.

Polycarbonate (PC)
Polycarbonate has excellent dimensional stability under heat. The electrical and mechanical properties remain intact at extremely high temperatures up to approximately 120°C (248°F) per UL Yellow Card. Its excellent electrical insulating properties and dimensional stability are virtually independent of environmental conditions, such as humidity and temperature. Highly precise components can be created due to the low shrinkage of the material during injection molding. Polycarbonate has excellent weather resistance and is also highly resistant to high energy radiation.
If the PC is not colored, then the components are glass-clear.
Thanks to its desirable properties (e.g., dimensional stability, heat resistance, non-flammability, durability and transparency), PC is a proven and widely used material in the electrical industry.

Depending on the demands placed on the finished product, WAGO uses polycarbonates that carry flammability classifications V2 and V0 per UL 94.

Medium-viscosity PC is used that features excellent chemical resistance.

Material Specifications

Contact Materials

Hard and extra-hard electrolytic copper (ECu), as well as extra-hard copper alloys are the standard materials used for the current-carrying parts of all WAGO products.

These materials combine excellent conductivity and good chemical resistance without the risk of stress-induced cracking.

Contact Materials

The special tin layer, which is the standard layer for all current-carrying parts in WAGO products, ensures perfect long-term protection against corrosive substances. Furthermore, these layers provide a gas-tight contact that ensures a durable transition resistance.

At the clamping unit, the conductor is embedded into the soft tin layer via high contact pressure. This protects the contact area against corrosion.

The thick tin layer also ensures good solderability of both PCB terminal block and connector solder pins.

Clamping Spring Material

Every WAGO clamping spring is made of high-quality, accurately tested austenitic chrome nickel steel (CrNi) with high tensile strength, which boasts proven corrosion resistance through long-term usage.

It is resistant to sea spray, city pollutants and industrial emissions (e.g., sulfur dioxide, hydrogen sulfide).

At room temperatures of approximately 20°C (68°F), the material is resistant to salt solutions up to 30% and dilute phosphoric acids up to 30%.

Even after decades of use, no galvanic corrosion between the chrome nickel spring steel (in connection with the contact materials used by WAGO) and the connected copper conductors has been detected.

The relaxation of the material as a function of time and surrounding temperatures up to 105°C (221°F) can be ignored. Samples loaded with 500 N/mm² at a temperature of 250°C (482°F) showed a relaxation of only 1.5%.

In certain product lines, the clamping springs are thermally treated at temperatures between 350°C (662°F) and 420°C (788°F) after production.

This treatment reduces internal stress due to the material's mechanical deformation, which may result in a slight brown discoloration of the spring surface.

WAGO only accepts deliveries of chrome nickel spring steel against certificates of conformity and after select material tests have been performed.

General Technical Information on Electrical Equipment Used in Hazardous Areas

The formation of an explosive atmosphere is required for the existence of a potentially explosive hazard. Such an atmosphere can be produced at any location where flammable gases or liquids are manufactured, processed, transported and/or stored.
Such hazardous areas can be found in a wide range of industries, including chemical plants, refineries, power plants, paint production facilities, painting shops, filling stations, vehicles, sewage treatment plants, airports, grain mills or harbor facilities.

THE FOLLOWING APPLIES AS A GUIDELINE FOR THE UNDERLYING PRINCIPLE FOR EXPLOSION PROTECTION:

General Requirements
The European EN 60079-0 Standard – VDE 0170-1 Classification – contains general requirements for the design and testing of electrical equipment to be used in hazardous areas.
This ensures this equipment does not cause an explosion in the surrounding atmosphere. EN 60079-0 is supplemented or revised by the European standards indicated on the right which refer to the specifically standardized types of protection.

Electrical Equipment
Electrical equipment includes all items used in whole or in part with electricity. This includes items for generation, transport, distribution, storage, measurement, control, conversion and consumption of electrical power, as well as telecommunications.

Ex Components
Ex components are elements of electrical equipment for hazardous areas that are marked with the "U" letter. These components must not be used on their own in such areas and require an additional certificate when used in such areas when installed in the electrical equipment.

Ignition Protection Categories
Only explosion-proof (protected) equipment must be used in areas in which an explosive atmosphere may still be expected despite the implementation of prevention measures. Explosion-protected electrical equipment can have various types of protection in accordance with the EN 60079 standard requirements.
Protection used by the manufacturer essentially depends on the type and function of the apparatus. From a safety point of view, all standardized types of protection should be viewed as equal.
The ignition protection category "n" exclusively describes the use of explosion-protected electrical components in Zone 2. This zone includes areas in which hazardous, potentially explosive atmospheres are likely to occur rarely or short-term. This represents a transition between Zone 1, in which explosion protection is required, and the safe area in which, for example, welding may be performed at any time.
Regulations covering these electrical components are being prepared worldwide. Organizations such as KEMA in the Netherlands, or PTB in Germany certify that the devices meet the requirements of the EN 60079-15 standard.
Ignition protection category "n" also requires that electrical equipment be provided with additional ID markings as follows:
- nA – non-sparking
- nC – enclosed-break, hermetically sealed, non-incendive, sealed
- nR – restricted-breathing

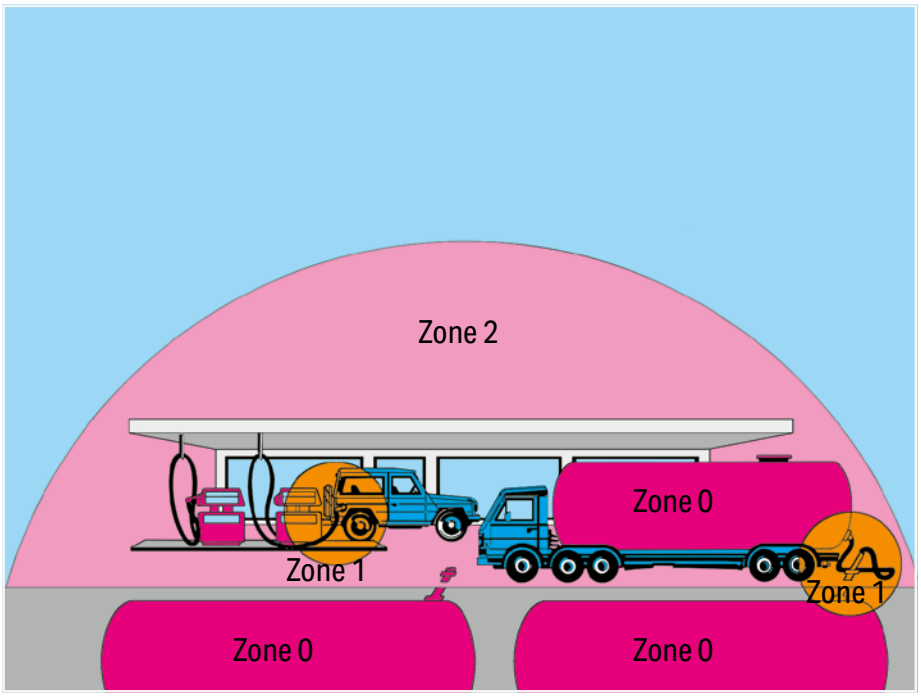
The table on the opposite page shows an overview of the standardized ignition protection categories and describes their basic principle, as well as typical applications.

General Technical Information on Electrical Equipment Used in Hazardous Areas
Continued

Ignition Protection Categories			
Symbol	Standard	Explanation	Application Area
"o"	IEC 60079-6 EN 60079-6	**Equipment protection by oil immersion:** Electrical equipment or parts of such equipment are immersed in oil.	Zones 1 + 2
"p"	IEC 60079-2 EN 60079-2	**Equipment protection by pressurized enclosure:** The ingress of the external (explosive) atmosphere into the electrical equipment housing is prevented by maintaining a protective gas internally at a pressure above that of the external atmosphere.	Zones 1 + 2
"q"	IEC 60079-5 EN 60079-5	**Equipment protection by sand filling:** Filling the electrical equipment housing with fine grain sand prevents the ignition of a surrounding explosive atmosphere by an electric arc generated in the housing.	Zones 1 + 2
"d"	IEC 60079-1 EN 60079-1	**Equipment protection by flameproof enclosures:** The parts that could ignite an explosive atmosphere are encapsulated in a housing, which will withstand the explosion pressure within the housing.	Zones 1 + 2
"eb" "ec"	IEC 60079-7 EN 60079-7	**Equipment protection by increased safety:** Additional measures applied to achieve increased security against the possibility of excessive temperatures and the occurrence of arcs or sparks.	Zones 1 + 2
"i"	IEC 60079-11 EN 60079-11	**Equipment protection by intrinsic safety:** Power circuit in which no sparks or thermal effects can occur and cause the ignition of a certain explosive atmosphere.	Zones 1 + 2 following special testing Zone 0
"nA" "nC" "nR"	IEC 60079-15 EN 60079-15	**Equipment protection by type of protection "n":** Electrical equipment of group II for use in areas in which an explosive mixture of gas, vapor or mist is unlikely to occur during normal operation and, if it does, will be for a short period.	Zone 2:
"m"	IEC 60079-18 EN 60079-18	**Equipment protection by cast encapsulation:** Dangerous electrical equipment is embedded in a cast mass. This corresponds approximately to the known special Ex s protection type.	Zones 1 + 2
	IEC 60079-25 EN 60079-25	**Intrinsically safe electrical systems "i":** Assembly of interconnected electrical equipment in which the circuits intended for use, as a whole or in part, in hazardous environments are intrinsically safe. It is documented accordingly in the system description	Zones 1 + 2 following special testing Zone 0

Harzardous Areas
Hazardous areas are zones in which the atmosphere may become explosive. An explosive atmosphere is a mixture of flammable substances in the form of gases, vapors or mixtures with air under atmospheric conditions in critically mixed ratios such that excessive high temperature, arcs or sparks may cause an explosion.

EN 60079-10-1/EN 60079-10-2 and all other well-known standards rank hazardous areas according to the likelihood of the occurrence of an explosive atmosphere into the following zones:



Hazardous areas due to explosive gases, vapors and mists:

Zone 0

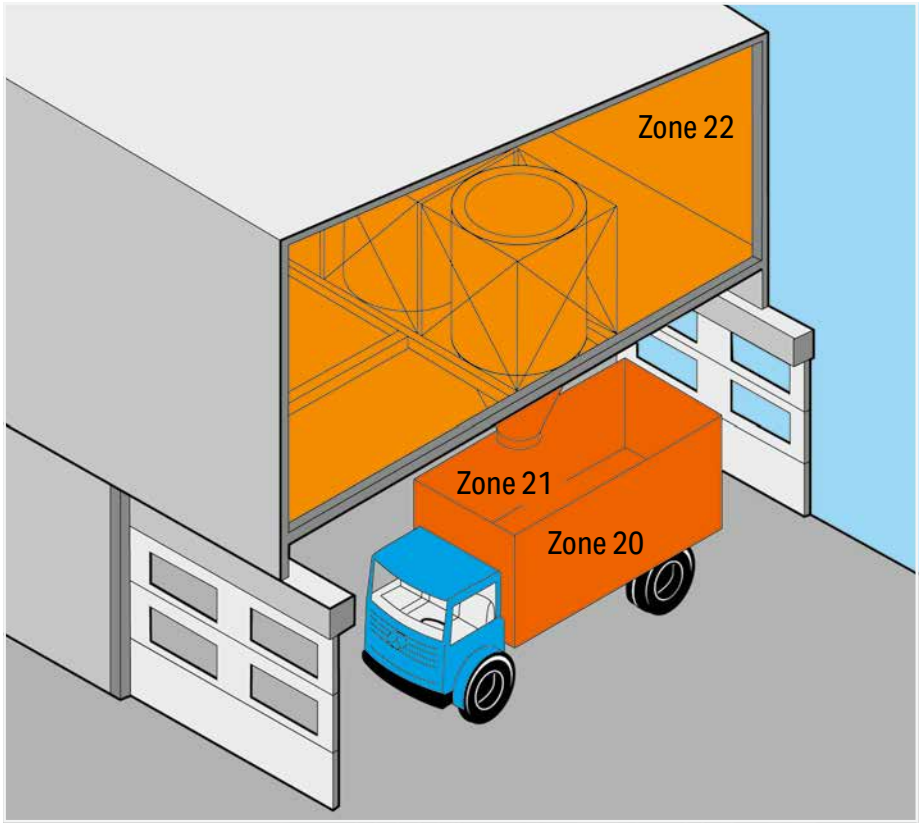
Area in which an explosive gas atmosphere is present continuously, for long periods or frequently.

Zone 1

Area in which an explosive gas atmosphere is likely to occur periodically or occasionally during normal operation.

Zone 2:

Area in which an explosive gas atmosphere is unlikely to occur during normal operation; if it does occur, then it is temporarily.



Hazardous areas due to explosive dust/air mixtures:

Zone 20

Area in which an explosive dust atmosphere due to dust/air mixtures is present continuously, for long periods or frequently.

Zone 21

Area in which an explosive dust atmosphere due to dust/air mixtures is likely to occur occasionally during normal operation.

Zone 22

Area in which an explosive dust atmosphere due to flammable dust/air mixtures is unlikely to occur during normal operation; but if it occurs, then only for a short period of time.

General Technical Information on Electrical Equipment Used in Hazardous Areas
Continued

EN 60079-0 also classifies electrical equipment for use in hazardous areas into two groups:

Group I:
Electrical equipment for mines susceptible to firedamp

Group II:
Electrical equipment for hazardous areas, except for mines susceptible to firedamp.

As this broad application range encompasses a large number of potentially flammable gases, Group II is broken down into sub-groups IIA, IIB and IIC.
This breakdown is based on different gases/materials exhibiting differing ignition power levels as parameters. Therefore, representative gases have been allocated to these three sub-groups:
- IIA – Propane
- IIB – Ethylene
- IIC – Hydrogen

WAGO's terminal blocks can be used both in Group I and Group II.

This information is given under Item 12 in the EU Prototype Test Certificates, based on which the terminal blocks have been approved for Group I and Group II.

Temperature Class	Maximum Surface Temperature (°C)
T1	450
T2	300
T3	200
T4	135
T5	100
T6	85

Depending on the maximum surface temperature, electrical equipment in Group II are classified in temperature categories T1 to T6 for all protection types. The surrounding air temperature, which must be accounted for in dimensioning, is defined as 40°C/104°F (deviations are acceptable under some conditions).
Terminal blocks for "e" (increased safety) protection type are generally assigned to temperature category T 6. When rail-mount terminal blocks are used in equipment of temperature categories T1 to T5, ensure that the highest temperature on the insulating parts does not exceed 85°C (185°F).
The highest measured surface temperature rise must not exceed 40 K.

Thermal resistance of the insulation material must be at least 20°C (68°F) greater than the highest operating temperature. Low temperature stability is considered to be sufficient when the insulation material can withstand 24-hour storage at a temperature of −60°C (−76°F) without nullifying the type of protection.

Special Requirements "Increased Safety Ex e"
The European EN 60079-7 Standard – VDE 0170-6 Classification – or the EN IEC 60079-7 Standard in the UK contain special requirements for the design and testing of electrical equipment with "e" (increased safety) protection type for hazardous areas.
This standard is a supplement to EN 60079-0 or EN IEC 60079-0 and applies to equipment or parts thereof that neither generate sparks or arcing under normal operating conditions, nor exhibit hazardous temperatures.
This standard describes special measures, which have to be observed to obtain a safety degree according to the "e" (increased safety) protection type.
Ex components such as rail-mount terminal blocks are covered by Section 4.2 "Terminal Blocks for External Conductors":
- The connectors must be installed in an enclosure meeting the requirements of a recognized protection type per EN 60079-0 and EN IEC 60079-0, Section 1 or EN 60079-31.
- When installing the terminal blocks in an enclosure of protection type "e" (increased safety) per EN 60079-7 or the EN IEC 60079-7 Standard in the UK, the clearances and creepage distances of Table 2 must be observed. When using accessories, the installation instructions of the manufacturer must be observed.
- The connectors meet the requirements of the Group I Category M2 (I M 2) components.
- Please also observe the "Schedule of Limitations" in the individual certificates.
- The use of this component requires a new assessment by a notified certification agency.
- Please also observe the "Schedule of Limitations" in the individual certificates.

Minimum Ignition Power of Typical Gases:

Explosion Group	I	IIA	IIB	IIC
Gas	Methane	Propane	Ethylene	Hydrogen
Ignition Power	280	250	82	16

The following are the most important design requirements for terminal blocks for external supply conductors to electrical equipment:
These must:
- be sufficiently large to permit reliable connection of external supply conductors with cross section of at least the size required by the nominal current of the equipment
- be protected against self-loosening and designed such that the supply conductors cannot slip out of their clamping units
- be designed such that adequate contact pressure is ensured without damaging the conductors
- be designed such that their contact pressure does not change with temperature cycling
- be equipped with a spring connecting link for the connection of stranded conductors
- be designed so as to allow secure connection of smaller conductors for terminal blocks up to 4 mm² (12 AWG).

Classification of insulation materials according to their tracking resistance is based on their Comparative Tracking Index (CTI) and is defined in Table 1 as follows:
This classification applies to insulating parts without ribs or grooves.
If the insulating parts have ribs or grooves sufficiently large to be considered, the minimum creepage distances must be set according to values for the insulation materials in the next-higher level (e.g., Group I, instead of Group II).
Accounting for the surrounding air temperature of 40°C (104°F) specified for electrical equipment, the current-carrying capacity of rubber-insulated conductors is reduced to 82%, based on DIN VDE 0298-4:2013-06, Table 12 and to 87% for PVC-insulated conductors for the current-carrying capacity defined for 30°C (86°F) in accordance with DIN VDE 0298-4:2013-06, Item 4.3.3.

It is expressly prohibited to use insulating parts for transferring contact forces. Terminal blocks with sharp edges which could damage supply lines and those types that can be rotated, turned or permanently deformed when fixed in place are not permitted for use. Terminal blocks for internal connections in electrical equipment must not be subjected to excessive mechanical stress. These items must fulfill the requirements for terminal blocks used for external supply conductors.
Clearances between conductive parts having different potentials must be at least 3 mm for external connections, as specified in Table 2. The value of the creepage distances depends on the working voltage, surface geometry of the insulating parts and tracking resistance of the insulation material.
Grooves on the surface may only be considered if they are at least 2.5 mm deep and wide; ribs on the surface only if their height is at least 2.5 mm and their width corresponds to the mechanical strength of the material, however not smaller than 1 mm.

Conductor Types and Conductor Preparation

In accordance with EN 60079-14/DIN VDE 0165-1, the ends of stranded and fine-stranded conductors must be protected against splaying (e.g., via cable lugs or ferrules) or by the type of terminal blocks used. Soldering alone is not sufficient.
According to EN 60069-7/DIN VDE 0170-6, connecting electrical equipment to terminal blocks having an “e” (increased safety) protection type must not lead to a reduction of the clearances and creepage distances.
Based on experience through the application of terminal blocks in aggressive atmospheres in the chemical industry, WAGO recommends gas-tight tinned copper ferrules or tinned copper pin terminals when connecting fine-stranded conductors to terminal blocks in corrosive atmospheres.

Table 1– Tracking Resistance for Insulation Materials

Material Group	Comparative Tracking Index
I	600 ≤ CTI
II	400 ≤ CTI < 600
III a	175 ≤ CTI < 400
III b	100 ≤ CTI < 175

Table 2– Minimum Creepage Distances/Clearances and Isolations

Voltage (see [a] and [b]) RMS Value for AC or DC Voltage V	Minimum Creepage Distance mm								Minimum Clearance and Isolations mm		
	Material Group								Clearance mm		Distance under Coating[d]
	I		II		III a		III b				
	“eb”	“ec”	“eb”	“ec”	“eb”	“ec”	“eb”	“ec”	“eb”	“ec”	“ec”
≤ 10 (see [c])	1.6	1	1.6	1	1.6	1	–	1	1.6	0.4	0.3
≤ 12.5	1.6	1.05	1.6	1.05	1.6	1.05	–	1.05	1.6	0.4	0.3
≤ 16	1.6	1.1	1.6	1.1	1.6	1.1	–	1.1	1.6	0.8	0.3
≤ 20	1.6	1.2	1.6	1.2	1.6	1.2	–	1.2	1.6	0.8	0.3
≤ 25	1.7	1.25	1.7	1.25	1.7	1.25	–	1.25	1.7	0.8	0.3
≤ 32	1.8	1.3	1.8	1.3	1.8	1.3	–	1.3	1.8	0.8	0.3
≤ 40	1.9	1.4	2.4	1.6	3	1.8	–	1.8	1.9	0.8	0.6
≤ 50	2.1	1.5	2.6	1.7	3.4	1.9	–	1.9	2.1	0.8	0.6
≤ 63	2.1	1.6	2.6	1.8	3.4	2	–	2	2.1	0.8	0.6
≤ 80	2.2	1.7	2.8	1.9	3.6	2.1	–	2.1	2.2	0.8	0.8
≤ 100	2.4	1.8	3	2	3.8	2.2	–	2.2	2.4	0.8	0.8
≤ 125	2.5	1.9	3.2	2.1	4	2.4	–	2.4	2.5	1	0.8
≤ 160	3.2	2	4	2.2	5	2.5	–	2.5	3.2	1.5	1.1
≤ 200	4	2.5	5	2.8	6.3	3.2	–	3.2	4	2	1.7
≤ 250	5	3.2	6.3	3.6	8	4	–	4	5	2.5	1.7
≤ 320	6.3	4	8	4.5	10	5	–	5	6	3	2.4
≤ 400	8	5	10	5.6	12.5	6.3	–	6.3	6	4	2.4
≤ 500	10	6.3	12.5	7.1	16	8	–	8	8	5	2.4
≤ 630	12	8	16	9	20	10	–	10	10	5.5	2.9
≤ 800	16	10	20	11	25	12.5	–	–	12	7	4
≤ 1000	20	11	25	11	32	13	–	–	14	8	5.8
≤ 1250	22	12	26	12	32	15	–	–	18	10	–
≤ 1600	23	13	27	13	32	17	–	–	20	12	–
≤ 2000	25	14	28	14	32	20	–	–	23	14	–
≤ 2500	32	18	36	18	40	25	–	–	29	18	–
≤ 3200	40	22	45	22	50	32	–	–	36	22	–
≤ 4000	50	28	56	28	63	40	–	–	44	28	–
≤ 5000	63	36	71	36	80	50	–	–	50	36	–
≤ 6300	80	45	90	45	100	63	–	–	60	45	–
≤ 8000	100	56	110	56	125	80	–	–	80	56	–
≤ 10000	125	71	140	71	160	100	–	–	100	70	–
≤ 12500	–	90	–	90	–	125	–	–	–	89	–
≤ 13640	–	98	–	98	–	138	–	–	–	97	–

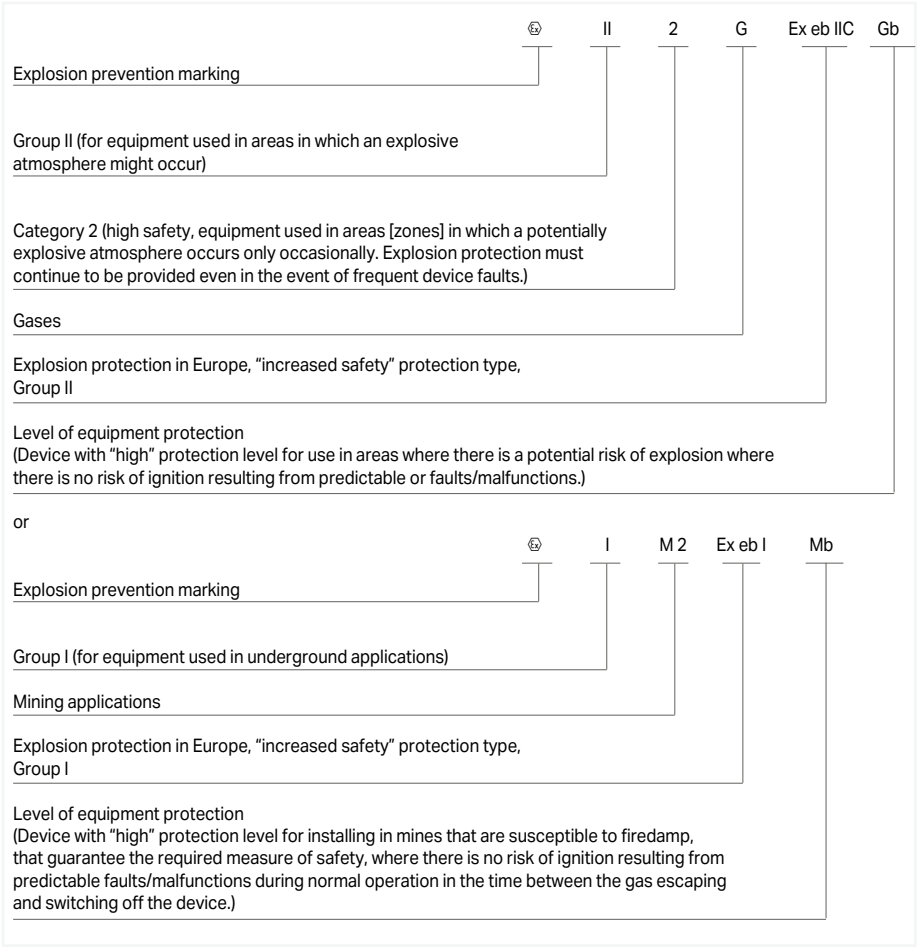
[a] When determining the required values for creepage distances and clearances, the working voltage may be 1.1 times higher than the value in the table.
NOTE: The factor of 1.1 takes into account that in many places in a circuit the working voltage is equal to the rated voltage and that a number of rated voltages are used, which are covered by a factor of 1.1.
[b] The specified values for creepage distances and clearances already take into account a 10% tolerance for the highest supply voltage. Therefore, further considerations on the voltage fluctuations are unnecessary for determining which voltage value from the table should be used.
[c] CTI values are not applicable for voltages of 10 V or less. Materials that do not meet the requirements of material group III a can be used.
[d] The specified distances under consideration apply to printed circuit boards in protection level “ec” after 4.5.

General Technical Information on Electrical Equipment Used in Hazardous Areas
Continued

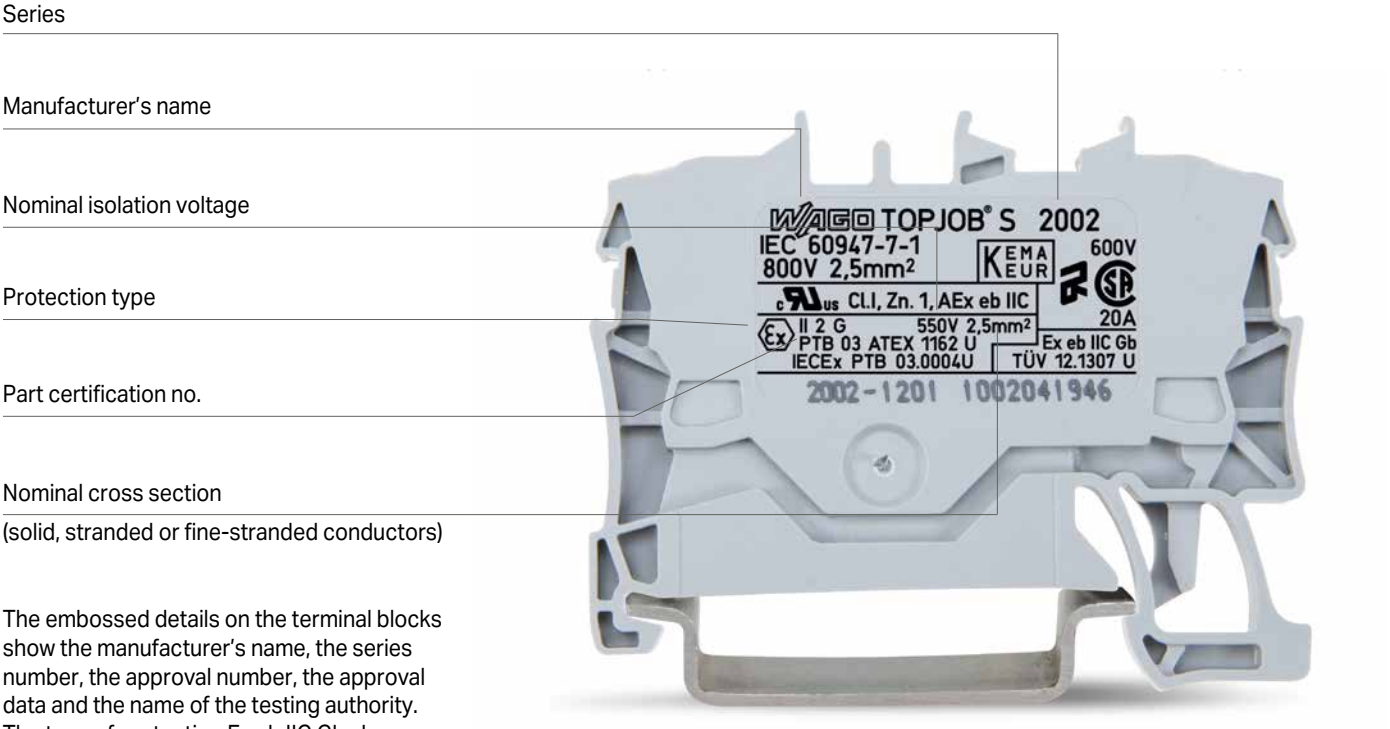
Approvals

Terminal blocks may be used in Zones 1 and 2, provided that the terminal blocks are accommodated in an enclosure that has a minimum IP54 protection and an Ex e certification.
Terminal blocks are considered to be Ex components because they are a part of the equipment. Part certificates provided by Ex Certification Agencies serve as a basis for issuing the complete conformity declaration for the unit.
An EC-type examination certificate is issued in accordance with the 2014/34/EU ATEX Directive.
In addition, an IEXEx Certificate may also be obtained from an appropriate, recognized certification agency in accordance with the IECEx Certification Agreement that is accepted throughout Europe and also in countries such as Canada, China and Australia.
These certificates can also be viewed at: www.iecex.com.

Terminal block marking per 2014/34/EU ATEX Directive:



Example of marking (rear):



The embossed details on the terminal blocks show the manufacturer's name, the series number, the approval number, the approval data and the name of the testing authority. The type of protection Ex eb IIC Gb shown on the label or on the smallest packaging unit.

Terminal blocks for Class I, Zone 1, Ex eb IIC hazardous locations can be approved for Ex applications per UL 60079-7 standard.
As a result of international harmonization efforts, the UL certificate can be issued on the basis of EN 60079-0 or EN 60079-7 standards, provided that the terminal blocks have also been approved per UL 1059 (ordinary location).

If desired by the applicant, terminal blocks can simultaneously be approved in accordance with the Canadian Standards CAN/CSA-C22.2 No. 60079-0 and CAN/CSA C22.2 No. 60079-7 and released for use in Canada. The terminal blocks are marked with c UL us Cl. I, Zn. 1, AEx eb IIC.

EU-type examination certificates have been granted to all WAGO terminal blocks listed in this catalog.
WAGO terminal blocks approved for use in Ex eb IIC areas are manufactured of flame-resistant, self-extinguishing Polyamide 66. The same applies to the terminal blocks used in non-hazardous areas. Tracking resistance with a CTI value of 600 as per IEC 60112 and a constant operating temperature of 105°C (22°F) in accordance with IEC 60216-1 and -2 are provided.
Factory part quality tests are performed on all CAGE CLAMP® rail-mount terminal blocks with Ex eb IIC approval to monitor and ensure the quality features described above.

IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com
Ex COMPONENT CERTIFICATE

Certificate No.: IECEx PTB 18.0012U
Issue No: 0
Certificate history: Issue No. 0 (2018-08-30)
Status: Current
Page 1 of 3
Date of Issue: 2018-08-30
Applicant: WAGO Kontakttechnik GmbH & Co. KG
Hansastraße 27
32423 Minden
Germany
Ex Component: WAGO type PE & Through terminal blocks type TOPJOB S 2202-**** and TOPJOB S 2202-***7

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: Increased Safety "eb"
Marking:
Ex eb IIC Gb and Ex eb I Mb

Approved for issue on behalf of the IECEx Certification Body: Dipl.-Phys. U. Völkel
Position: Department "Explosion Protection in Energy Technology"
Signature: (for printed version)
Date: 31.8.18

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin
Nationales Metrologieinstitut

EU-Baumusterprüfbescheinigung

(1) EU-Baumusterprüfbescheinigungsnummer: PTB 18 ATEX 1005 U Ausgabe: 0
(2) Komponente zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen Richtlinie 2014/34/EU
(3) EU-Baumusterprüfbescheinigungsnummer
(4) Produkt: Durchgangsreihenklemmen Typ TOPJOB S 2202-**** Schutzleiterreihenklemmen Typ TOPJOB S 2202-***7
(5) Hersteller: WAGO Kontakttechnik GmbH & Co. KG
(6) Anschrift: Hansastraße 27, 32423 Minden, Deutschland
(7) Die Bauart dieses Produkts sowie die verschiedenen zulässigen Ausführungen sind in der Anlage und den darin aufgeführten Unterlagen zu dieser Baumusterprüfbescheinigung festgelegt.
(8) Die Physikalisch-Technische Bundesanstalt, notifizierte Stelle Nr. 0102 gemäß Artikel 17 der Richtlinie 2014/34/EU des Europäischen Parlaments und des Rates vom 26. Februar 2014, bescheinigt, dass dieses Produkt die grundlegenden Sicherheits- und Gesundheitsanforderungen für die Konzeption und den Bau von Produkten zur bestimmungsgemäßen Verwendung in explosionsgefährdeten Bereichen gemäß Anhang II der Richtlinie erfüllt.
Die Ergebnisse der Prüfung sind in dem vertraulichen Prüfbericht PTB Ex 18-17171 festgehalten.
(9) Die grundlegenden Sicherheits- und Gesundheitsanforderungen werden erfüllt durch Übereinstimmung mit
IEC 60079-0:2017, EN 60079-7:2015
(10) Das Zeichen "U" hinter der Zertifikatsnummer gibt an, dass dieses Zertifikat nicht mit einem für ein Gerät oder Schutzsystem vorgesehenen Zertifikat verwechselt werden darf. Diese Komponenten-Bescheinigung darf als Basis für die Bescheinigung eines Gerätes oder Schutzsystems verwendet werden.
(11) Diese EU-Baumusterprüfbescheinigung bezieht sich nur auf Konzeption und Prüfung des festgelegten Produkts gemäß Richtlinie 2014/34/EU. Weitere Anforderungen dieser Richtlinie gelten für die Herstellung und das Bereitstellen auf dem Markt. Diese Anforderungen werden nicht durch diese Bescheinigung abgedeckt.
(12) Die Kennzeichnung des Produkts muss die folgenden Angaben enthalten:
Ex II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb

Konformitätsbewertungsstelle, Sektor Explosionsschutz Braunschweig, 30. August 2018
Im Auftrag
Dipl.-Phys. U. Völkel

Seite 1/3

EU-Baumusterprüfbescheinigungen ohne Unterschrift und ohne Siegel haben keine Gültigkeit.
Diese EU-Baumusterprüfbescheinigung darf nur unverändert weiterverbreitet werden.
Auszüge oder Änderungen bedürfen der Genehmigung der Physikalisch-Technischen Bundesanstalt.
Physikalisch-Technische Bundesanstalt • Bundesallee 100 • 38116 Braunschweig • DEUTSCHLAND

ZSEx101104 c

General Technical Information on Electrical Equipment Used in Hazardous Areas
Continued

Special Requirements
Equipment Protection by Intrinsic Safety "i"
The European EN 60079-11 Standard – Classification VDE 0170-7 – contains special requirements for the design and testing of electrical equipment with "i" (intrinsic safety) protection type for use in hazardous areas.

A circuit is "intrinsically safe" when, under normal operating conditions and in the event of specific fault conditions, no sparks or thermal effects can occur and cause the ignition of a certain explosive atmosphere.

A distinction is made here between:
- intrinsically safe electrical equipment when all circuits are intrinsically safe
- associated electrical equipment including both intrinsically and non-intrinsically safe circuits, and being designed such that the non-intrinsically safe circuits cannot affect the intrinsically safe ones.

Intrinsically safe electrical equipment and intrinsically safe parts of associated electrical equipment are classified at "ia", "ib" or "ic" protection level.
Electrical equipment classified Ex "ia" must not ignite when current is applied in the following cases:
a) During fault-free operation, with those non-discreet faults present that result in the most adverse condition
b) During fault-free operation and with a discreet fault, plus those non-discreet faults that result in unfavorable conditions
c) During fault-free operation with two discreet faults, plus those non-discreet faults that result in the most adverse conditions.

Electrical equipment classified Ex "ib" must not ignite when current is applied in the following cases:
a) During fault-free operation, with those non-discreet faults present that result in the most adverse condition
b) During fault-free operation and with a discreet fault, plus those non-discreet faults that result in unfavorable conditions.
At applied voltages, the intrinsically safe circuits in electrical equipment of protection level "ic" shall not be capable of causing ignition during undisturbed operation and under the conditions specified in this standard.
No special approval is required for terminal blocks used as simple electrical equipment for "Ex i" protection type, as they do not contain a voltage source and precise information is available concerning electrical data and temperature rise performance.
The terminal blocks must be identifiable, for example by their type designation, and the following design requirements must also be upheld:
Clearances and creepage distances between bare conductive parts of terminal blocks of separate intrinsically safe circuits and grounded or floating conductive parts shall be equal to or greater than the values given in Table 5 (see 672). If separate intrinsically safe circuits are to be considered, the air gap between bare conductive parts of the outer connection parts must meet the following requirements:
– at least 6 mm between the separate intrinsically safe circuits
– at least 3 mm from grounded parts, if a possible connection to ground has not been considered in the safety analysis. Each possible motion of metallic parts that are not rigidly secured must be considered.
Terminal block marking must be unique and clearly visible. If a color is used for this, the color must be light blue (similar to RAL 5015).
Note also when using terminal blocks:
Terminal blocks used for intrinsically safe circuits must be isolated from those used in non-intrinsically safe circuits. This is accomplished by several accepted methods. First, intrinsically safe circuits are separated by at least 50 mm of air space from non-intrinsically safe circuits.

Second, intrinsically safe circuits are housed in a separate enclosure. Third, intrinsically safe terminal blocks are separated from non-intrinsically safe terminal blocks by either an insulated partition or grounded metal partition. The partition size must allow for either 1.5 mm or less distance from the sides of the housing or provide at least 50 mm of creepage distance between the intrinsically and non-intrinsically safe circuits in all directions.
The insulation between an intrinsically safe and a non-intrinsically safe circuit has to withstand an effective AC voltage of 2 x nominal value (U) 1000 V or a minimum of 1500 kV, whereby U represents the total of the effective voltages of the intrinsically safe and the non-intrinsically safe circuit.
Short circuit between different intrinsically safe circuits could cause dangerous conditions. The insulation between these circuits should withstand an effective voltage of at least 500 VAC or 2 UAC where U is the total of the effective voltages of the related circuits.
In accordance with EN 60079-14/ DIN VDE 0165-1, in intrinsically safe circuits, the ends of stranded and fine-stranded conductors must be protected against splaying (e.g., via cable lugs or ferrules) or by the type of terminal blocks used. Soldering alone is not sufficient.
WAGO recommends gas-tight tinned copper ferrules or tinned copper pin terminals when connecting fine-stranded conductors to terminal blocks in corrosive atmospheres.

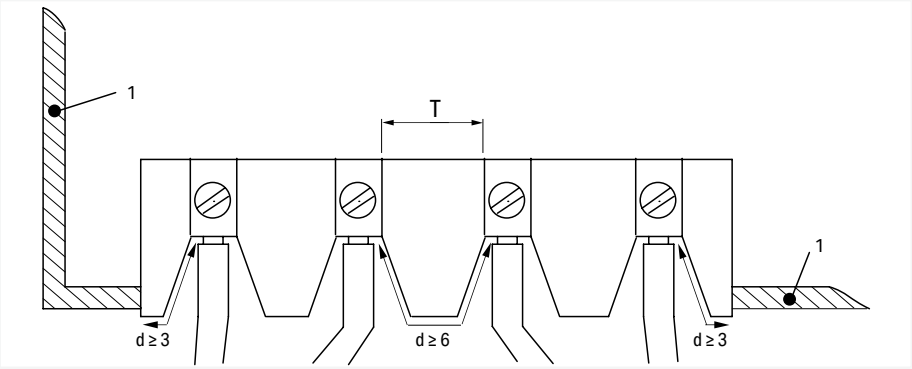
Requirements pertaining to the necessary distances as appropriate for use of the terminal blocks in the area DIN EN 60079-11 (VDE 0170-7) "Explosive atmosphere – Part 11: Device protection by intrinsically safe features "i" (IEC 60079-11)" are defined under Section 6.2 "Connecting point for external circuits," Section 6.2.1 "Terminal blocks." In general, the following can be stated for terminal blocks based on figure 1: "Example of isolated intrinsically safe terminal blocks with partition" in conjunction with figure 2: "Example of isolation of conductive parts," considering Table 5 – "Clearances, Creepage and Isolation Distances."

Outside:
a) Isolated intrinsically safe circuits: at least 6 mm
All PCB terminal blocks listed on the ordering pages as suitable for Ex "i" applications fulfill these requirements.
b) Intrinsically safe circuits and normal circuits (non-intrinsically safe): ≥ 50 mm

Inside:
a) Ex "i" to Ex "i"
b) Ex "i" to normal circuits
c) Ex "i" to ground
Based on Figure 2 and Table 5 (see next page) in accordance with the selected protection level and the special requirements for isolation distances as described in Sections 6.3.1 to 6.3.13, or in accordance with the alternative procedure for dimensioning of isolation distances given in Annex F.

Terminal blocks with smaller pin spacing may also be used for internal connections, provided they meet the requirements laid out in Table 5 (see below).

The exact clearances and creepage distances as well as separation distances based on Table 5 must be derived from the application items cited above.



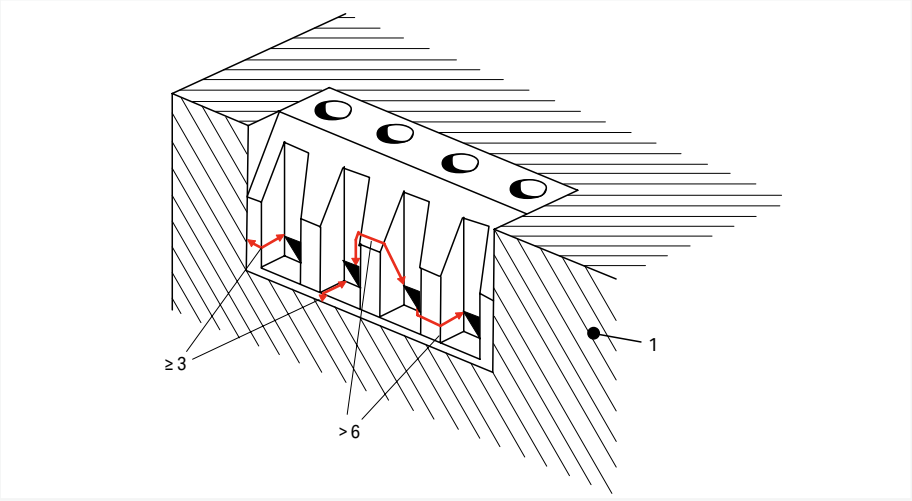


Figure 1a: Requirements for clearances and creepage distances for terminal blocks with isolated, intrinsically safe circuits

Legend:

1	Conductive cover
T	Distances based on Table 5
d	Distance at outer connecting parts of the terminal blocks according to 6.2.1

Note:
The dimensions indicated here represent the clearances and creepage distances around the insulation and not the thickness of the insulation.

Dimensions in mm

7

General Technical Information on Electrical Equipment Used in Hazardous Areas
Continued

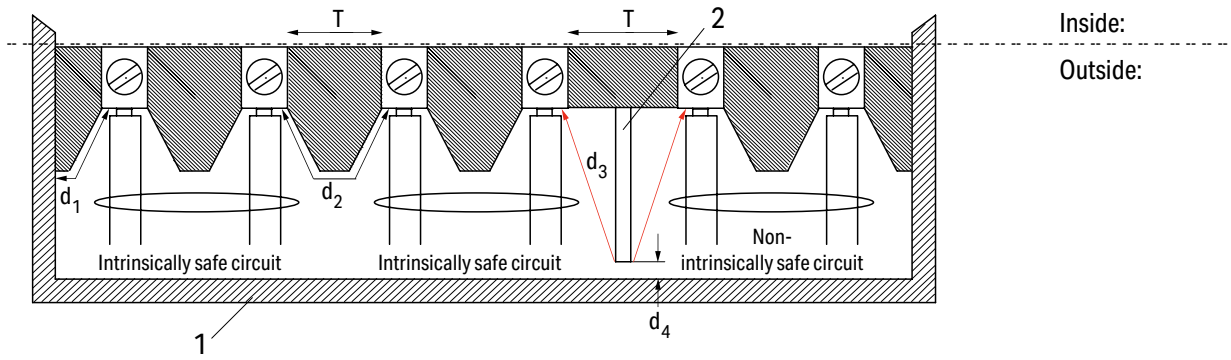


Figure 1b: Example of isolated intrinsically safe and non-intrinsically safe terminal blocks by a partition

Legend:

1 Cover: non-conductive or conductive and grounded

2 Partition based on 6.2.1 b); in this example, the partition must end at the base

T Distances based on Table 5

d1 ≥ 3 mm, when the cover is conductive and grounded

d2 ≥ 6 mm

d3 ≥ 50 mm or d4 ≤ 1.5 mm

Note:
The dimensions indicated here represent the clearances around the insulation and not the thickness of the insulation.

Table 5 – Clearances, Creepage and Isolation Distances

1	2		3		4		5		6		7	
Voltage (Peak) (V)	Clearance (in mm)		Separation by Encapsulation (in mm)		Separation by Fixed Insulation (in mm)		Creepage Distance through Air (in mm)		Creepage Distance beneath Protective Layer (in mm)		Comparative Tracking Index (CTI)	
Protection Level	ia, ib	ic	ia, ib	ic	ia, ib	ic	ia, ib	ic	ia, ib	ic	ia	ib, ic
10	1.5	0.4	0.5	0.2	0.5	0.2	1.5	1.0	0.5	0.3	--	
30	2.0	0.8	0.7	0.2	0.5	0.2	2.0	1.3	0.7	0.3	100	100
60	3.0	0.8	1.0	0.3	0.5	0.3	3.0	1.9	1.0	0.6	100	100
90	4.0	0.8	1.3	0.3	0.7	0.3	4.0	2.1	1.3	0.6	100	100
190	5.0	1.5	1.7	0.6	0.8	0.6	8.0	2.5	2.6	1.1	175	175
375	6.0	2.5	2.0	0.6	1.0	0.6	10.0	4.0	3.3	1.7	175	175
550	7.0	4.0	2.4	0.8	1.2	0.8	15.0	6.3	5.0	2.4	275	175
750	8.0	5.0	2.7	0.9	1.4	0.9	18.0	10.0	6.0	2.9	275	175
1000	10.0	7.0	3.3	1.1	1.7	1.1	25.0	12.5	8.3	4.0	275	175
1300	14.0	8.0	4.6	1.7	2.3	1.7	36.0	13.0	12.0	5.8	275	175
1575	16.0	10.0	5.3	*	2.7	*	49.0	15.0	16.3	*	275	175
3.3k	*	18.0	9.0	*	4.5	*	*	32.0	*	*	*	*
4.7k	*	22.0	12.0	*	6.0	*	*	50.0	*	*	*	*
9.5k	*	45.0	20.0	*	10.0	*	*	100.0	*	*	*	*
15.6k	*	70.0	33.0	*	16.5	*	*	150.0	*	*	*	*

Note 1: *At present, no values have been recommended for these voltages.

Note 2: Proof of fulfillment of the CTI requirements for the insulating materials must be provided by the manufacturer.
Defining a CTI is not required for insulation materials for voltage levels up to 10 V.

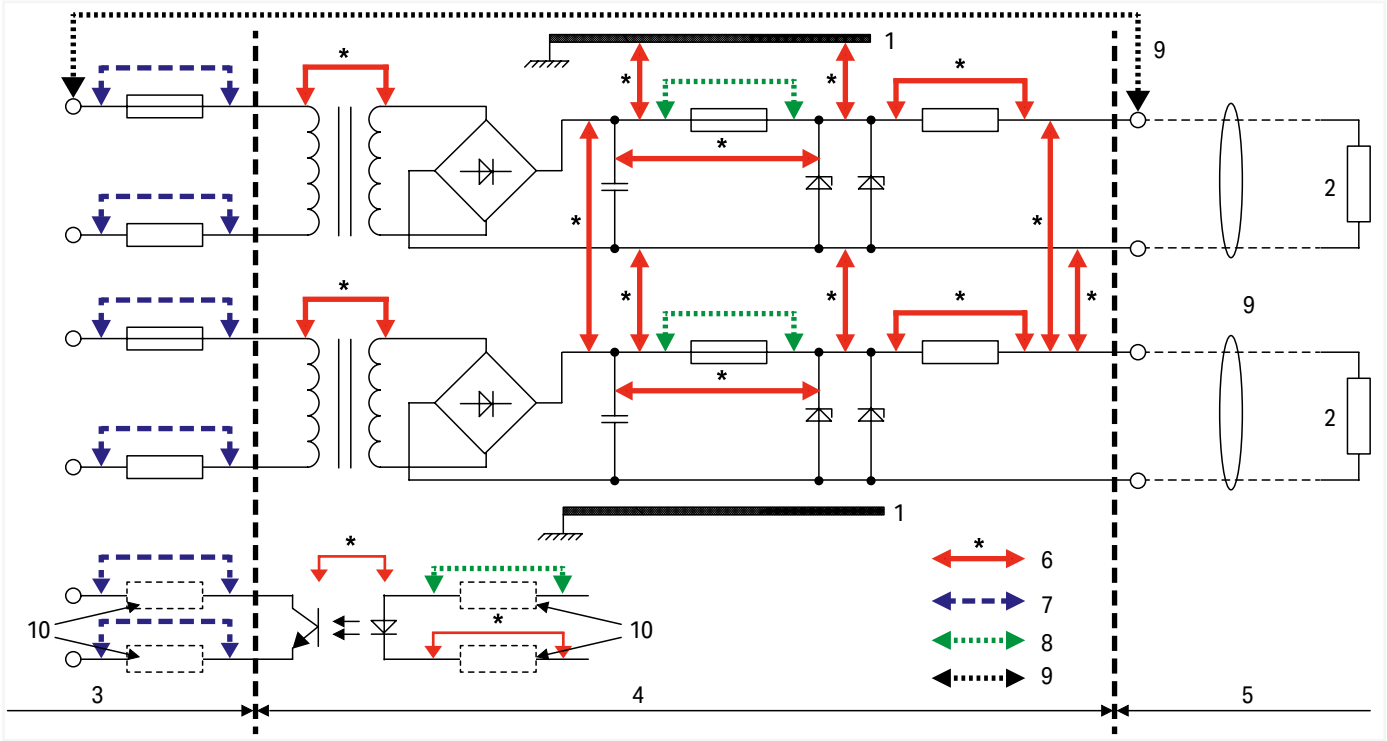


Figure 2: Isolation examples for conductive parts

Legend:

1	Chassis
2	Load
3	Non-intrinsically safe circuit defined by U_m
4	Portion of intrinsically safe circuit, item is not intrinsically safe
5	Intrinsically safe circuit
6	Dimensions for which Table 5 applies
7	Dimensions for which general industrial standards apply
8	Dimensions per 7.3
9	Dimensions based on 6.2.1 for output terminal blocks between isolated intrinsically safe circuits (d2 ≥ 6 mm) and between intrinsically safe circuits and non-intrinsically safe circuits (d3 ≥ 50 mm)
10	Where required

In accordance with DIN EN 60079-14 (VDE 0165-1), in intrinsically safe circuits, the ends of stranded and fine-stranded conductors must be protected against splaying (e.g., via cable lugs or ferrules) or by the type of terminal blocks used. Soldering alone is not sufficient.
The conductor entry funnels of WAGO PCB terminal blocks fulfill this requirement.
WAGO recommends gas-tight tinned copper ferrules or tinned copper pin terminals when connecting fine-stranded conductors to terminal blocks in corrosive atmospheres.

International Certification Organizations – Overview

		Abbreviation
	Underwriters Laboratories USA http://www.ul.com	UL
	Underwriters Laboratories USA http://www.ul.com	UL
	Underwriters Laboratories USA http://www.ul.com	cURus
	Underwriters Laboratories USA http://www.ul.com	cULus
	Canadian Standards Association Canada http://www.csa.ca	CSA
VDE REG XXXX	VDE-Gutachten mit Fertigungsüberwachung Germany http://www.vde.de/vde/html/e/home.htm	VDE
	VDE – Deutscher Verband für Elektrotechnik Germany http://www.vde.de	
VDE	VDE – Prüfbericht Germany	
	Österreichischer Verband für Elektrotechnik Austria http://www.ove.at	ÖVE
	Schweizerischer Elektrotechnischer Verein Switzerland http://www.sev.ch/	SEV
KEMA KEUR	N.V. tot Keuring van Elektrotechnische Materialien Netherlands http://www.kema.nl	KEMA
CCA	CENELEC CERTIFICATION AGREEMENT N.V. tot Keuring van Elektrotechnische Materialien Netherlands http://www.cenelec.org	CCA Zul.-Nr. mit NL
	Norges Elektriske Materialkontroll Norway http://express.nemko.com	NEMKO
	Svenska Elektriska Materielkontrollanstalten AB Sweden http://www.semko.com	SEMKO

		Abbreviation
	Danmarks Elektriske Materielkontrol Denmark http://www.demko.dk	DEMKO
CCA	CENELEC CERTIFICATION AGREEMENT Danmarks Elektriske Materielkontrol Denmark http://www.cenelec.org	CCA Zul.-Nr. mit NL
	SETI – FEMKO Sähkötarkastuskeskus Elinspektionscentralen Finland http://www.seti.fi	
	Sähkötarkastuskeskus Elinspektionscentralen Finland http://www.fimko.com	FIMKO
SABS	South African Bureau of Standards South Africa http://www.sabs.co.za	SABS
	RosTesT Russia http://www.rostest.ru	ROTEST
	Departamentul Moldovastandard Moldova http://www.moldova.md/ro/government/oll/D_STAND/en/strcent2.htm	CSM
	Certificate of Registration Great Britain http://www.astacertification.com	ASTA
	Rheinisch-Westfälischer Technischer Überwachungsverein e.V. Germany http://www.rwtuv.de	RWTÜV
	Elektrotechnick´y v´yskumn´y a projektov´y ústav Czech Republic http://www.ezu.cz	EZU
	Stowarzyszenie Elektrykow Polskich Poland http://www.sep.com.pl	BBJ
	Stowarzyszenie Elektrykow Polskich Poland http://www.bbj.pl	SEP

		Abbreviation
CNET	Centre National d'Etudes des Télécommunications France http://www.lannion.cnet.fr	CNET
LCIE	Laboratoire Central des Industries Electriques France http://www.lcie.fr	LCIE
FTZU SZ 210	Fyzikálne Technick´yZkusební Ústav, Ostrava-Radvanice Czech Republic http://www.ftzu.cz	FTZU
Marine Approvals		
BV	Bureau Veritas France http://www.bureauveritas.fr	BV
Lloyd's Register	Lloyd's Register of Shipping Great Britain http://www.lloydsregister.com	LR
DNV • GL	NV – Det Norske Veritas Norway http://www.dnvgl.com	DNV-GL
	Russian Maritime Register of Shipping GUS http://www.rs-head.spb.ru	RMR
	Polski Rejestr Statków Poland http://www.prs.pl	PRS
	Korean Register of Shipping Korea http://www.krs.co.kr	KR
ABS	American Bureau of Shipping USA http://www.eagle.org	ABS

		Abbreviation
BKI Ex	Robbanásbiztos Villamos Berendezések Hungary http://www.bki.hu	BKI
CB	CB – TEST CERTIFICATE India http://www.ul-europe.com	CB
CB	CB – TEST CERTIFICATE China http://www.ul-europe.com	CB
ENEC	http://www.enec.com	ENEC
EX Approvals		
PTB	Physikalisch Technische Bundesanstalt Germany http://www.ptb.de	PTB
c UL us	Underwriters Laboratories USA http://www.ul.com	AEx

Electrical Engineering Laboratory
Product Safety for Our Customers

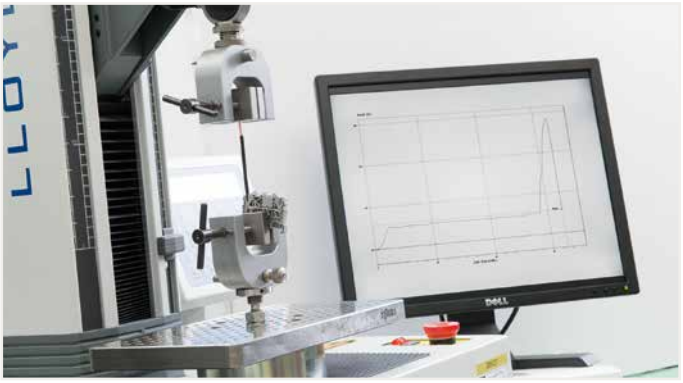
To use terminal blocks globally, they must satisfy certain standards and obtain test certificates. These requirements apply to every manufacturer. WAGO also conducts its own tests to increase standards and offer greater reliability with its products. Products undergo a full range of mechanical, electrical and climatic testing, and we'll share a few of those processes with you.

WAGO Test Lab

This means that WAGO's products can be used safely and reliably both in Europe and anywhere globally for a wide variety of applications. We heavily emphasize the importance of global acceptance during development. As a result, we can present documentation that verifies our high levels of product safety and reliability while ensuring the fulfillment and accuracy of technical data, which are the highest priorities for our customers and users worldwide.
On December 22, 2009, our test lab was accredited by the German Accreditation Association (Deutsche Gesellschaft für Akkreditierung GmbH) in accordance with DIN EN ISO/IEC 17025.

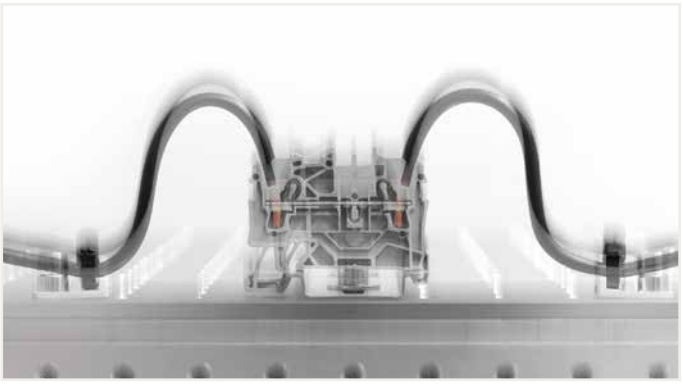
Pull-Out Test (per EN 60947-7-1, EN 60998-2-2)

During the pull-out force test, a conductor is pulled on until it is removed from the clamping unit. The design of the terminals means that extraction only occurs after the standard pull-out force has been exceeded many times over.



Vibration Test (per IEC/EN 60068-2-6)

Depending on the application, such as railway (per EN 61373) or marine (per GL, LR, DNV), there are various testing requirements to determine if the long-term effects of vibrations degrade electrical connections. The test specimen is subjected to different loads on three axes in an electrodynamic vibration system. The amplitude, the acceleration, and particularly the frequency of the vibration vary during the test. The test values are increased many times over the standard values to meet special customer requirements.



Shock Test (per IEC/EN 60068-2-27)

The shock test is very similar to the vibration test except that, instead of continuous vibrations, single shocks are applied to the test specimen. Shock tests are usually performed, for example, at an acceleration of 20g over a period of 11 ms. Tests for special requirements often call for much higher values and are also conducted in our laboratory. Single-deck TOPJOB® S Rail-Mount Terminal Blocks, for example, pass shock tests up to 500g.

Voltage Drop Test under Bending Stress (per EN 60947-7-1, EN 60999-1)

The voltage drop test under bending stress simulates mechanical stress on the clamping unit. In everyday use, this stress can occur during installation, for example, when an electrician shoves connected conductors to the side in order to access a specific component. The quality of the clamping unit when moving a connected conductor can be validated by the constantly stable measured value of the voltage drop.

DAkkS
Deutsche
Akkreditierungsstelle

Deutsche Akkreditierungsstelle GmbH

Beliehene gemäß § 8 Absatz 1 AkkStelleG i.V.m. § 1 Absatz 1 AkkStelleGBV
Unterzeichnerin der Multilateralen Abkommen
von EA, ILAC und IAF zur gegenseitigen Anerkennung

Akkreditierung

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass das Prüflaboratorium

WAGO Kontakttechnik GmbH & Co. KG
Hansastraße 27, 32423 Minden

die Kompetenz nach DIN EN ISO/IEC 17025:2005 besitzt, Prüfungen in folgenden Bereichen durchzuführen:

Elektrische und mechanische Prüfungen an Klemmen und Steckverbinder sowie Umweltsimulation

Die Akkreditierungsurkunde gilt nur in Verbindung mit dem Bescheid vom 18.12.2014 mit der Akkreditierungsnummer D-PL-19704-01 und ist gültig bis 17.12.2019. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 5 Seiten.

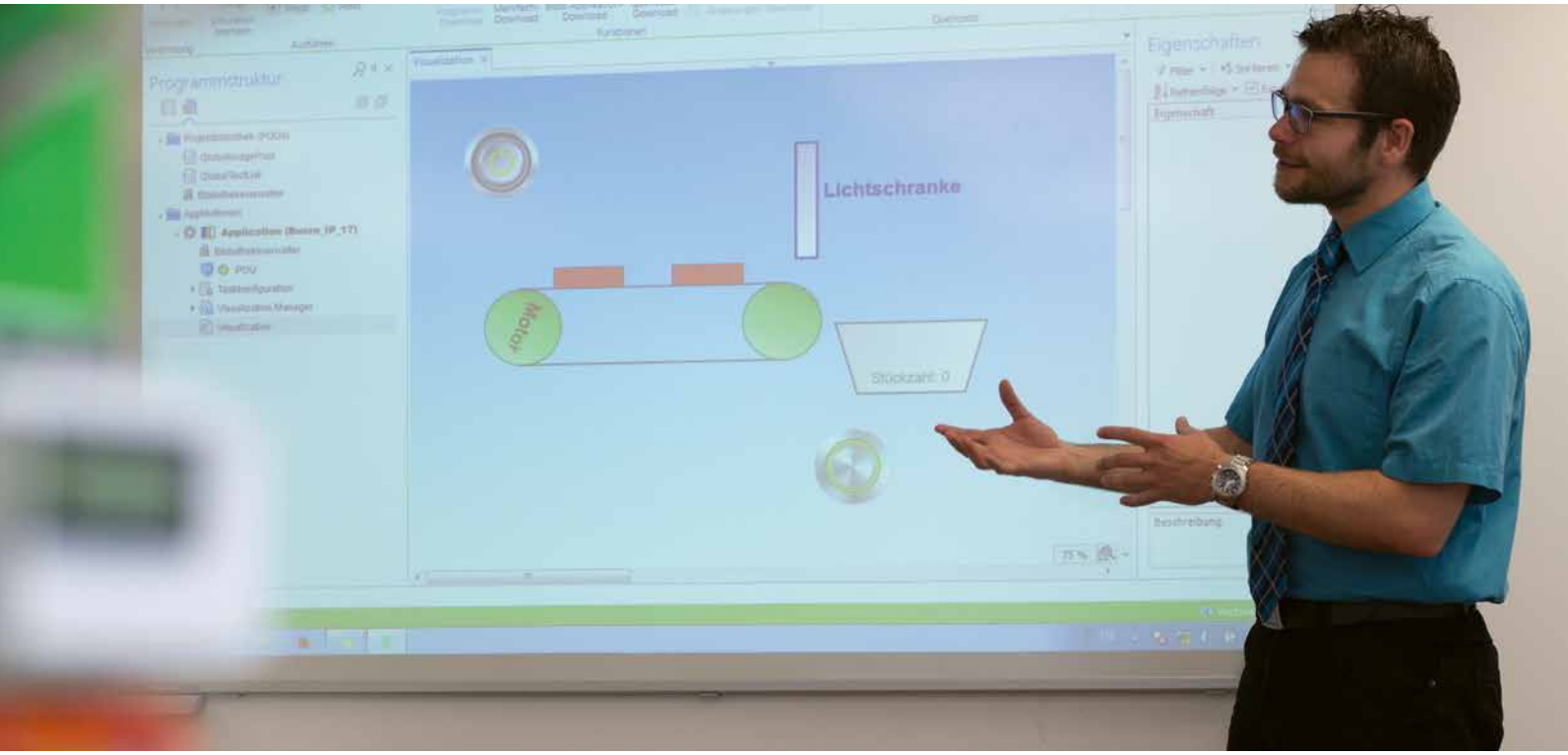
Registrierungsnummer der Urkunde: **D-PL-19704-01-00**

Frankfurt am Main, 18.12.2014

Im Auftrag Dipl.-Ing. (FH) Ralf Egner
Abteilungsleiter

Siehe Hinweise auf der Rückseite

WAGO-Seminars
Learn Today – Benefit Tomorrow



Setting the Bar with Your Goals

Product-Related and Customer-Specific Seminars

Small Groups

The small class sizes of WAGO training seminars ensures that no question goes unanswered and no one is overlooked.

Teamwork

Learning as a group is very effective. Ideas can be discussed and exchanged while experiences can be shared – all for the benefit of the participants.

Practical Topics

Experience has shown that practice makes perfect. This is why the focus of every WAGO training seminar is on practical, hands-on learning.

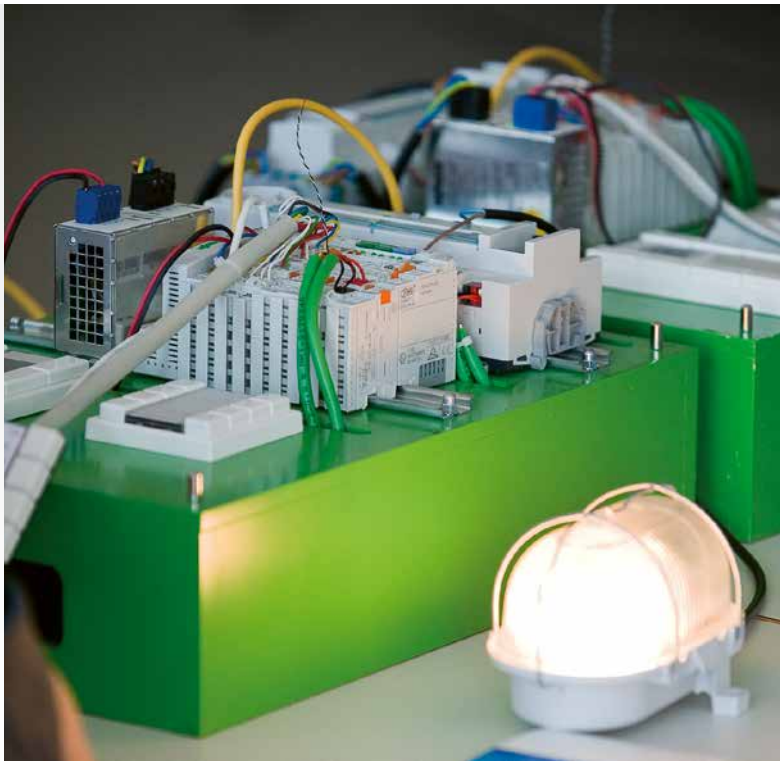
WAGO-Seminars
Experience the Benefits of First-Hand Knowledge and Expertise – Straight from the Source

Our instructors are specialists who know all the ins and outs of WAGO's products. This ensures that the time devoted to each WAGO training seminar is an effective investment in expanding your own expertise.

Request your registration form by email:

training@wago.com

Contact your local WAGO office.



Product-Related Seminars

We regularly offer product-related seminars on the following topics:

- Building and industrial automation
- Programming of automation components
- Fieldbus systems

Current Seminars at: www.wago.com

Customer-Specific Training Seminars

In addition to these "open" seminars, we also offer seminars specially tailored to your organization and its particular needs.

Upon request, we can also conduct these courses at your location.

Special Corporate Seminars

Indexes

Indexes

	Page
Item Number Index	664

Item Number Index

Item No.	Page
206 Series	
206-118	606
206-804	607
206-912	607
206-1125	598
206-1141	599
206-1204	600
206-1216	600
206-1225	601
206-1250	601
206-1400	594
206-1403	594
206-1441	595
206-1442	595
206-1451	595
206-1481	596
206-1482	596
206-2101	592
206-2102	592
206-2111	592
206-2112	592
206-2113	592
206-2114	592
206-2115	592
206-2116	592
206-2117	592
206-2120	592
206-2121	592
206-2122	592
206-2123	592
206-2130	592
206-2131	592
206-2132	592
206-2133	592
206-2141	593
206-2142	593
206-2151	593
206-2152	593
206-2163	593
206-2164	593
206-2165	593
206-2166	593
206-2167	593
206-2169	593
206-3010	547
209 Series	
209-100	583
209-106	573
209-109	582
209-112	562
209-113	562
209-114	562
209-120	467
209-128	564
209-129	591
209-130	591
209-137	467
209-140	562
209-141	562
209-142	562
209-143	564
209-144	564
209-145	562
209-183	565
209-184	565
209-191	31
209-192	93
210 Series	
210-103	525
210-111	589
210-112	582
210-113	582
210-114	582
210-115	582
210-118	582
210-123	525
210-133	411
210-136	609
210-141	591

Item No.	Page
210 Series	
210-143	591
210-148	583
210-149	583
210-196	582
210-197	582
210-198	582
210-254	249
210-295	589
210-331	556
210-332	556
210-333	556
210-333/500-001	556
210-333/500-002	556
210-333/500-003	556
210-333/500-004	556
210-333/500-005	556
210-333/500-006	556
210-333/500-007	556
210-333/500-008	556
210-333/500-009	556
210-333/500-010	556
210-333/500-011	556
210-333/500-021	556
210-333/500-074	556
210-333/500-075	556
210-333/500-076	556
210-333/500-077	556
210-333/500-078	556
210-333/500-079	556
210-333/600-001	557
210-333/600-006	557
210-333/600-007	557
210-333/600-008	557
210-333/600-009	557
210-333/600-010	557
210-333/600-011	557
210-333/600-021	557
210-333/600-074	557
210-333/600-075	557
210-333/600-076	557
210-333/600-077	557
210-333/600-078	557
210-333/600-079	557
210-333/600-103	557
210-333/600-104	557
210-333/600-105	557
210-333/600-106	557
210-333/700-001	558
210-333/700-020	558
210-333/700-074	558
210-333/700-075	558
210-333/700-076	558
210-333/700-077	558
210-333/700-078	558
210-333/700-079	558
210-333/700-108	558
210-333/700-109	558
210-333/800-001	556
210-333/800-002	556
210-333/800-003	556
210-333/800-004	556
210-333/800-005	556
210-333/800-006	556
210-333/800-007	556
210-333/800-008	556
210-333/800-009	556
210-333/800-010	556
210-333/800-074	556
210-333/800-075	556
210-333/800-076	556
210-333/800-077	556
210-333/800-078	556
210-333/800-079	556
210-333/800-209	556
210-333/1000-001	557
210-333/1000-074	557
210-333/1000-075	557
210-333/1000-076	557
210-333/1000-077	557
210-333/1000-078	557
210-333/1000-079	557

Item No.	Page
210 Series	
210-333/1000-110	557
210-333/1000-111	557
210-333/1000-112	557
210-333/1000-113	557
210-333/1000-202	557
210-333/1000-204	557
210-333/1000-206	557
210-333/1000-208	557
210-333/1200-001	558
210-333/1200-074	558
210-333/1200-075	558
210-333/1200-076	558
210-333/1200-077	558
210-333/1200-078	558
210-333/1200-079	558
210-333/1200-103	558
210-333/1200-104	558
210-333/1200-105	558
210-333/1200-106	558
210-333/1200-107	558
210-334	556
210-335	556
210-345	562
210-504	583
210-505	583
210-506	583
210-508	583
210-509	583
210-647	590
210-648	590
210-657	590
210-658	590
210-719	590
210-720	590
210-721	487
210-722	590
215 Series	
215-111	608
216 Series	
216-101	604
216-102	604
216-103	604
216-104	604
216-105	604
216-106	604
216-107	604
216-108	604
216-109	604
216-110	604
216-121	604
216-122	604
216-123	604
216-124	604
216-131	604
216-132	604
216-151	604
216-152	604
216-202	604
216-203	604
216-204	604
216-205	604
216-206	604
216-207	604
216-208	602
216-209	604
216-210	602
216-222	604
216-223	604
216-224	604
216-241	602
216-242	602
216-243	602
216-244	602
216-246	602
216-262	602
216-264	602
216-266	602
216-267	602

Item No.	Page
216 Series	
216-284	602
216-286	602
216-287	602
216-288	602
216-289	602
216-301	604
216-302	604
216-321	604
216-322	604
216-413	605
216-414	605
216-424	605
216-425	605
216-435	605
248 Series	
248-501	555
248-501/000-002	555
248-501/000-005	555
248-501/000-006	555
248-501/000-007	555
248-501/000-012	555
248-501/000-017	555
248-501/000-023	555
248-501/000-024	555
249 Series	
249-101	465
249-105	565
249-116	584
249-117	487
249-118	563
249-119	563
249-120	563
249-197	487
258 Series	
258-5005	549
258-5005/000-005	549
258-5005/000-008	549
258-5006	551
258-5007	551
258-5008	551
258-5009	551
258-5010	551
258-5011	551
258-5014	549
258-5015	550
258-5030	548
258-5100	547
258-5102	547
258-5103	547
258-5104	547
258-5107	547
258-5108	547
264 Series	
264-900	555
264-901	555
264-902	555
264-903	555
264-904	555
264-905	555
279 Series	
279-432	591
279-433	591
279-440	591
280 Series	
280-432	591
280-433	591
280-434	591
280-435	591
280-436	591
280-437	591
280-438	591
280-439	591
280-440	591

Item No.	Page
281 Series	
281-440	591
282 Series	
282-369	583
282-432	248
282-432/100-000	248
282-433	248
282-433/011-000	248
282-433/100-000	248
282-434	248
282-434/100-000	248
282-435	248
282-435/011-000	248
282-435/300-000	248
282-436	248
282-436/301-000	248
282-437	248
282-437/011-000	248
282-437/012-000	248
282-438	248
282-438/300-000	248
282-438/301-000	248
282-439	248
282-439/011-000	248
282-440	248
282-881	247
282-882	247
282-883	247
282-884	247
282-885	247
282-886	247
282-887	247
282-888	247
283 Series	
283-404	487
285 Series	
285-131	487
285-134	487
285-135	487
285-137	487
285-137/999-950	487
285-139	487
285-141	493
285-143	493
285-144	493
285-147	493
285-147/999-950	493
285-148	493
285-150	491
285-151	491
285-154	491
285-157	491
285-157/999-950	491
285-159	491
285-168	495
285-169	495
285-170	495
285-172	491
285-173	491
285-175	495
285-181	497
285-183	497
285-184	497
285-187	497
285-187/999-950	497
285-188	497
285-191	495
285-194	495
285-195	495
285-197	495
285-197/999-950	495
285-199	495
285-407	495
285-420	487
285-421	487
285-427	487
285-430	487

Item No.	Page
285 Series	
285-435	487
285-440	491
285-441	491
285-447	491
285-448	491
285-449	491
285-450	491
285-495	495
285-935	487
285-950	491
285-995	495
285-1161	503
285-1163	503
285-1164	503
285-1165	503
285-1167	503
285-1167/999-950	503
285-1169	501
285-1171	499
285-1175	499
285-1176	499
285-1177	499
285-1178	499
285-1179	499
285-1181	501
285-1184	501
285-1185	501
285-1187	499
285-1187/999-950	499
285-1189	501
709 Series	
709-118	563
709-119	563
709-120	563
709-153	587
709-154	587
709-156	588
709-167	587
709-168	587
709-169	588
709-193	563
709-350	572
709-352	572
709-571	581
709-572	581
709-573	581
709-581	579
709-582	579
709-583	579
709-584	579
709-591	579
777 Series	
777-303	411
790 Series	
790-108	568
790-116	568
790-124	568
790-140	569
790-208	571
790-216	571
790-220	571
790-300	574
790-301	574
790-302	574
790-310	575
790-311	575
790-312	575
790-350/790-398	576
790-352/790-398	576
790-360/790-398	576
790-362/790-398	576
790-398	576
790-400	572
791 Series	
791-107	572

Item No.	Page
791 Series	
791-111	572
791-117	572
791-124	572
793 Series	
793-501	554
793-501/000-002	554
793-501/000-005	554
793-501/000-006	554
793-501/000-007	554
793-501/000-012	554
793-501/000-017	554
793-501/000-023	554
793-501/000-024	554
793-3501	554
793-4501	554
793-4501/000-002	554
793-4501/000-005	554
793-4501/000-006	554
793-4501/000-007	554
793-4501/000-012	554
793-4501/000-017	554
793-4501/000-023	554
793-4501/000-024	554
793-5501	554
793-5501/000-002	554
793-5501/000-005	554
793-5501/000-006	554
793-5501/000-007	554
793-5501/000-012	554
793-5501/000-017	554
793-5501/000-023	554
793-5501/000-024	554
821 Series	
821-104	452
821-106	452
821-107	452
821-108	453
821-109	453
821-110	454
821-111	454
821-112	455
821-113	455
821-114	453
821-122	453
821-123	454
821-129	455
821-153	148
821-154	148
821-155	149
821-160	456
821-161	456
821-162	456
855 Series	
855-501/150-000	491
855-951/250-000	495
855-1851/350-000	501
2000 Series	
2000-115	537
2000-121	561
2000-402	31
2000-402/000-005	269
2000-402/000-006	269
2000-402/000-018	269
2000-403	31
2000-403/000-005	508
2000-403/000-006	508
2000-404	508
2000-404/000-005	508
2000-404/000-006	508
2000-405	508
2000-405/000-005	508
2000-405/000-006	508
2000-405/011-000	465
2000-406	508

Item No.	Page
2000 Series	
2000-406/000-005	508
2000-406/000-006	508
2000-406/020-000	465
2000-407	508
2000-407/000-005	508
2000-407/000-006	508
2000-408	508
2000-408/000-005	508
2000-408/000-006	508
2000-409	508
2000-409/000-005	508
2000-409/000-006	508
2000-410	31
2000-410/000-005	508
2000-410/000-006	508
2000-433	31
2000-433/000-005	508
2000-433/000-006	508
2000-434	31
2000-435	508
2000-436	508
2000-437	508
2000-438	508
2000-439	508
2000-440	31
2000-492	509
2000-510	529
2000-511	529
2000-549	529
2000-552	529
2000-553	529
2000-554	529
2000-555	529
2000-556	529
2000-557	529
2000-558	529
2000-559	529
2000-560	529
2000-1201	59
2000-1202	59
2000-1203	59
2000-1204	59
2000-1205	59
2000-1206	59
2000-1207	59
2000-1291	31
2000-1292	31
2000-1301	59
2000-1302	59
2000-1303	59
2000-1304	59
2000-1305	59
2000-1306	59
2000-1307	59
2000-1391	31
2000-1392	31
2000-1401	59
2000-1402	59
2000-1403	59
2000-1404	59
2000-1405	59
2000-1406	59
2000-1407	59
2000-1491	31
2000-1492	31
2000-2141	61
2000-2195	61
2000-2196	61
2000-2201	101
2000-2201/099-000	105
2000-2202	101
2000-2202/099-000	105
2000-2203	101
2000-2203/099-000	105
2000-2204	101
2000-2204/099-000	105
2000-2207	102
2000-2207/099-000	106
2000-2208	102
2000-2208/099-000	105
2000-2209	102

Item Number Index

Item No.	Page
2000 Series	
2000-2209/099-000	106
2000-2217	101
2000-2217/099-000	105
2000-2218	101
2000-2227	101
2000-2227/099-000	105
2000-2228	101
2000-2231	101
2000-2231/099-000	105
2000-2232	101
2000-2232/099-000	105
2000-2233	101
2000-2233/099-000	105
2000-2234	101
2000-2234/099-000	105
2000-2237	102
2000-2237/099-000	106
2000-2238	102
2000-2238/099-000	105
2000-2239	102
2000-2239/099-000	106
2000-2247	101
2000-2247/099-000	105
2000-2248	101
2000-2257	101
2000-2257/099-000	105
2000-2258	101
2000-2291	89
2000-2292	89
2000-3201	139
2000-3203	139
2000-3204	139
2000-3207	140
2000-3208	140
2000-3209	140
2000-3217	139
2000-3218	139
2000-3227	139
2000-3228	139
2000-3231	139
2000-3233	139
2000-3234	139
2000-3237	140
2000-3238	140
2000-3239	140
2000-3247	139
2000-3248	139
2000-3257	139
2000-3258	139
2000-3291	131
2000-3292	131
2000-5310/101-000	277
2000-5310/102-000	277
2000-5310/1101-951	277
2000-5310/1102-950	277
2000-5311	269
2000-5311/1101-951	269
2000-5311/1102-950	269
2000-5317/101-000	275
2000-5317/102-000	275
2000-5317/1101-951	275
2000-5317/1102-950	275
2000-5352	271
2000-5352/1102-953	271
2000-5357/101-000	279
2000-5357/102-000	279
2000-5372	273
2000-5372/1102-953	273
2000-5377/101-000	279
2000-5377/102-000	279
2000-5391	269
2000-5410	281
2000-5410/1101-951	281
2000-5410/1102-950	281
2000-5417	283
2000-5417/1101-951	283
2000-5417/1102-950	283
2000-5457	289
2000-5457/1102-953	289
2000-5477	291
2000-5477/1102-953	291

Item No.	Page
2000 Series	
2000-5491	281
2001 Series	
2001-115	537
2001-171	536
2001-402	33
2001-403	33
2001-404	510
2001-405	510
2001-405/011-000	511
2001-406	510
2001-406/020-000	511
2001-407	510
2001-408	510
2001-409	510
2001-410	33
2001-433	33
2001-434	33
2001-435	510
2001-436	510
2001-437	510
2001-438	510
2001-439	510
2001-440	33
2001-511	530
2001-549	530
2001-552	530
2001-553	530
2001-554	530
2001-555	530
2001-556	530
2001-557	530
2001-558	530
2001-559	530
2001-560	530
2001-1201	63
2001-1201/000-053	63
2001-1202	63
2001-1203	63
2001-1204	63
2001-1205	63
2001-1206	63
2001-1207	63
2001-1208	63
2001-1209	63
2001-1211/1000-410	315
2001-1211/1000-411	315
2001-1301	63
2001-1301/000-053	63
2001-1302	63
2001-1303	63
2001-1304	63
2001-1305	63
2001-1306	63
2001-1307	63
2001-1308	63
2001-1309	63
2001-1311/1000-410	315
2001-1311/1000-411	315
2001-1321/1000-413	317
2001-1321/1000-434	317
2001-1401	63
2001-1401/000-053	63
2001-1402	63
2001-1403	63
2001-1404	63
2001-1405	63
2001-1406	63
2001-1407	63
2001-1408	63
2001-1409	63
2001-1411/1000-410	315
2001-1411/1000-411	315
2001-1421/1000-413	317
2001-1421/1000-434	317
2001-1441	67
2001-1501	64
2001-1501/000-053	64
2001-1502	64
2001-1503	64

Item No.	Page
2001 Series	
2001-1504	64
2001-1505	64
2001-1506	64
2001-1507	64
2001-1508	64
2001-1509	64
2002 Series	
2002-115	537
2002-121	561
2002-131	561
2002-160	560
2002-161	560
2002-171	536
2002-172	536
2002-191	539
2002-192	539
2002-194	539
2002-400	9
2002-402	9
2002-402/000-005	512
2002-402/000-006	512
2002-403	9
2002-403/000-005	512
2002-403/000-006	512
2002-404	512
2002-404/000-005	512
2002-404/000-006	512
2002-405	512
2002-405/000-005	512
2002-405/000-006	512
2002-405/011-000	469
2002-406	512
2002-406/000-005	512
2002-406/000-006	512
2002-406/020-000	469
2002-407	512
2002-407/000-005	512
2002-407/000-006	512
2002-408	512
2002-408/000-005	512
2002-408/000-006	512
2002-409	512
2002-409/000-005	512
2002-409/000-006	512
2002-410	9
2002-410/000-005	512
2002-410/000-006	512
2002-413	9
2002-415	9
2002-423	9
2002-423/000-005	513
2002-423/000-006	513
2002-424	9
2002-424/000-005	513
2002-424/000-006	513
2002-433	9
2002-434	9
2002-435	512
2002-436	512
2002-437	512
2002-438	512
2002-439	512
2002-440	9
2002-472	515
2002-473	515
2002-473/011-000	515
2002-474	515
2002-475	515
2002-475/011-000	515
2002-476	515
2002-477	515
2002-477/011-000	515
2002-478	515
2002-479	515
2002-479/011-000	515
2002-480	515
2002-481	515
2002-481/011-000	515
2002-482	515
2002-492	516

Item No.	Page
2002 Series	
2002-492/000-012	516
2002-493	516
2002-511	531
2002-549	531
2002-552	531
2002-553	531
2002-554	531
2002-555	531
2002-556	531
2002-557	531
2002-558	531
2002-559	531
2002-560	531
2002-611	534
2002-649	534
2002-800	306
2002-800/1000-410	336
2002-800/1000-411	336
2002-800/1000-541	337
2002-800/1000-542	337
2002-800/1000-836	337
2002-810	306
2002-820	306
2002-880	306
2002-880/1000-411	336
2002-880/1000-541	337
2002-880/1000-542	337
2002-880/1000-836	337
2002-991	167
2002-992	167
2002-1091	255
2002-1092	255
2002-1201	69
2002-1202	69
2002-1203	69
2002-1204	69
2002-1205	69
2002-1206	69
2002-1207	69
2002-1208	69
2002-1211/1000-410	319
2002-1211/1000-411	319
2002-1291	33
2002-1292	33
2002-1301	69
2002-1302	69
2002-1303	69
2002-1304	69
2002-1305	69
2002-1306	69
2002-1307	69
2002-1308	69
2002-1311/1000-410	319
2002-1311/1000-411	319
2002-1321/1000-413	321
2002-1321/1000-434	321
2002-1391	33
2002-1392	33
2002-1401	69
2002-1401/000-014	69
2002-1402	69
2002-1403	69
2002-1404	69
2002-1405	69
2002-1406	69
2002-1407	69
2002-1408	69
2002-1411/1000-410	319
2002-1411/1000-411	319
2002-1421/1000-413	321
2002-1421/1000-434	321
2002-1441	71
2002-1491	33
2002-1492	33
2002-1595	34
2002-1596	34
2002-1611	193
2002-1611/1000-541	195
2002-1611/1000-542	195
2002-1611/1000-836	197
2002-1611/1000-867	197

Item No.	Page
2002 Series	
2002-1612	193
2002-1661	205
2002-1671	183
2002-1672	183
2002-1674	183
2002-1681	187
2002-1691	157
2002-1692	157
2002-1711	193
2002-1711/1000-541	195
2002-1711/1000-542	195
2002-1711/1000-836	197
2002-1711/1000-867	197
2002-1714	193
2002-1761	205
2002-1771	183
2002-1772	183
2002-1774	183
2002-1781	187
2002-1791	157
2002-1792	157
2002-1861	207
2002-1871	185
2002-1872	185
2002-1874	185
2002-1881	189
2002-1891	159
2002-1892	159
2002-1961	207
2002-1971	185
2002-1972	185
2002-1974	185
2002-1981	189
2002-1981/1000-413	191
2002-1981/1000-414	191
2002-1981/1000-429	191
2002-1981/1000-434	191
2002-1981/1000-435	191
2002-1981/1000-449	191
2002-1991	159
2002-1992	159
2002-2201	109
2002-2201/097-000	129
2002-2201/098-000	129
2002-2201/099-000	125
2002-2202	109
2002-2202/099-000	125
2002-2203	109
2002-2203/099-000	125
2002-2204	109
2002-2204/099-000	125
2002-2206	109
2002-2207	110
2002-2207/099-000	126
2002-2208	110
2002-2208/099-000	126
2002-2209	110
2002-2209/099-000	126
2002-2211/1000-410	327
2002-2211/1000-411	327
2002-2213/1000-487	327
2002-2213/1000-488	327
2002-2214/1000-489	329
2002-2214/1000-490	329
2002-2214/1000-491	329
2002-2214/1000-492	329
2002-2217	109
2002-2217/099-000	125
2002-2218	109
2002-2218/099-000	125
2002-2221/1000-413	331
2002-2221/1000-434	331
2002-2227	109
2002-2227/099-000	125
2002-2228	109
2002-2228/099-000	125
2002-2231	109
2002-2231/099-000	125
2002-2232	109
2002-2232/099-000	125
2002-2233	109

Item No.	Page
2002 Series	
2002-2233/099-000	125
2002-2234	109
2002-2234/099-000	125
2002-2237	110
2002-2237/099-000	126
2002-2238	110
2002-2238/099-000	126
2002-2239	110
2002-2239/099-000	126
2002-2247	109
2002-2247/099-000	125
2002-2248	109
2002-2248/099-000	125
2002-2257	109
2002-2257/099-000	125
2002-2258	109
2002-2258/099-000	125
2002-2291	93
2002-2292	93
2002-2295	93
2002-2296	93
2002-2401	121
2002-2402	121
2002-2403	121
2002-2404	121
2002-2407	122
2002-2408	122
2002-2409	122
2002-2417	121
2002-2418	121
2002-2427	121
2002-2428	121
2002-2431	121
2002-2432	121
2002-2433	121
2002-2434	121
2002-2437	122
2002-2438	122
2002-2439	122
2002-2447	121
2002-2448	121
2002-2457	121
2002-2458	121
2002-2491	121
2002-2492	121
2002-2601	113
2002-2602	113
2002-2603	113
2002-2604	113
2002-2607	114
2002-2608	113
2002-2609	114
2002-2611	255
2002-2611/1000-541	257
2002-2611/1000-542	257
2002-2611/1000-836	259
2002-2611/1000-867	259
2002-2612	255
2002-2647	113
2002-2657	113
2002-2661	261
2002-2662	261
2002-2667	261
2002-2671	251
2002-2672	251
2002-2678	251
2002-2691	113
2002-2692	113
2002-2701	117
2002-2702	117
2002-2703	117
2002-2704	117
2002-2707	118
2002-2707/999-950	118
2002-2708	117
2002-2709	118
2002-2717	117
2002-2727	117
2002-2731	117
2002-2791	97
2002-2792	97

Item No.	Page
2002 Series	
2002-2941	265
2002-2951	253
2002-2952	253
2002-2954	253
2002-2958	253
2002-2959	253
2002-2961	263
2002-2963	263
2002-2971	253
2002-2972	253
2002-2974	253
2002-2991	253
2002-2992	253
2002-3201	143
2002-3203	143
2002-3204	143
2002-3207	144
2002-3208	144
2002-3209	144
2002-3211/1000-410	333
2002-3211/1000-411	333
2002-3211/1000-675	333
2002-3211/1000-676	333
2002-3212/1000-673	333
2002-3212/1000-674	333
2002-3217	143
2002-3218	143
2002-3221/1000-413	335
2002-3221/1000-434	335
2002-3227	143
2002-3228	143
2002-3231	143
2002-3233	143
2002-3234	143
2002-3237	144
2002-3238	144
2002-3239	144
2002-3247	143
2002-3248	143
2002-3257	143
2002-3258	143
2002-3291	135
2002-3292	135
2002-4101	147
2002-4111	147
2002-4127	147
2002-4131	147
2002-4141	147
2002-4157	147
2002-4191	147
2002-4192	147
2002-6301	73
2002-6302	73
2002-6303	73
2002-6304	73
2002-6305	73
2002-6306	73
2002-6307	73
2002-6308	73
2002-6391	39
2002-6392	39
2002-6401	75
2002-6402	75
2002-6403	75
2002-6404	75
2002-6405	75
2002-6406	75
2002-6407	75
2002-7111	443
2002-7114	443
2002-7192	435
2002-7211	443
2002-7214	443
2002-7292	435
2003 Series	
2003-499	413
2003-500	413
2003-911	415
2003-911/1000-923	415
2003-6640	431

Item No.	Page
2003 Series	
2003-6641	429
2003-6642	429
2003-6643	431
2003-6644	429
2003-6645	429
2003-6646	429
2003-6649	429
2003-6650	429
2003-6651	429
2003-6660	431
2003-6661	431
2003-6662	431
2003-6692	429
2003-6693	431
2003-6694	431
2003-7300	411
2003-7640	427
2003-7641	427
2003-7642	427
2003-7645	427
2003-7646	427
2003-7649	427
2003-7650	427
2003-7651	427
2003-7659	427
2003-7692	427
2004 Series	
2004-115	537
2004-171	536
2004-172	536
2004-402	11
2004-403	11
2004-404	517
2004-405	517
2004-405/011-000	518
2004-406	517
2004-406/020-000	518
2004-407	517
2004-408	517
2004-409	517
2004-410	11
2004-433	11
2004-434	11
2004-435	517
2004-436	517
2004-437	517
2004-438	517
2004-439	517
2004-440	11
2004-511	532
2004-549	532
2004-552	532
2004-553	532
2004-554	532
2004-555	532
2004-911	308
2004-911/1000-541	308
2004-911/1000-542	308
2004-911/1000-836	308
2004-911/1000-867	308
2004-1201	77
2004-1202	77
2004-1203	77
2004-1204	77
2004-1205	77
2004-1206	77
2004-1207	77
2004-1211/1000-400	323
2004-1211/1000-401	323
2004-1291	43
2004-1292	43
2004-1301	77
2004-1302	77
2004-1303	77
2004-1304	77
2004-1305	77
2004-1306	77
2004-1307	77
2004-1311/1000-400	323
2004-1311/1000-401	323

Item Number Index

Item No.	Page
2004 Series	
2004-1391	43
2004-1392	43
2004-1401	77
2004-1402	77
2004-1403	77
2004-1404	77
2004-1405	77
2004-1406	77
2004-1407	77
2004-1408	77
2004-1411/1000-400	323
2004-1411/1000-401	323
2004-1491	43
2004-1492	43
2005 Series	
2005-7300	417
2005-7641	433
2005-7642	433
2005-7645	433
2005-7646	433
2005-7649	433
2005-7692	433
2006 Series	
2006-115	537
2006-191	539
2006-401	538
2006-401/000-050	538
2006-402	13
2006-403	13
2006-404	13
2006-405	13
2006-405/011-000	519
2006-433	13
2006-434	13
2006-435	13
2006-451	538
2006-499	522
2006-511	533
2006-549	533
2006-911	310
2006-911/1000-541	310
2006-911/1000-542	310
2006-911/1000-836	310
2006-921	310
2006-921/1000-541	310
2006-921/1000-542	310
2006-921/1000-836	310
2006-921/1000-859	310
2006-931	310
2006-931/099-000	311
2006-931/1000-541	310
2006-931/1000-836	310
2006-931/1000-859	310
2006-931/1000-867	310
2006-931/1099-541	311
2006-931/1099-542	311
2006-931/1099-836	311
2006-931/1099-859	311
2006-991	213
2006-992	213
2006-1201	79
2006-1202	79
2006-1203	79
2006-1204	79
2006-1205	79
2006-1207	79
2006-1208	79
2006-1291	45
2006-1292	45
2006-1301	79
2006-1302	79
2006-1303	79
2006-1304	79
2006-1305	79
2006-1306	79
2006-1307	79
2006-1391	45
2006-1392	45

Item No.	Page
2006 Series	
2006-1401	79
2006-1401/000-053	79
2006-1402	79
2006-1403	79
2006-1404	79
2006-1405	79
2006-1407	79
2006-1491	45
2006-1492	45
2006-1611	231
2006-1612	231
2006-1621	231
2006-1631	231
2006-1631/099-000	233
2006-1631/1099-541	235
2006-1631/1099-542	235
2006-1631/1099-836	237
2006-1631/1099-859	237
2006-1631/1099-867	237
2006-1661	239
2006-1664	239
2006-1671	227
2006-1671/1000-848	229
2006-1671/1000-849	229
2006-1671/1000-850	229
2006-1671/1000-851	229
2006-1674	227
2006-1691	209
2006-1692	209
2006-7111	445
2006-7114	445
2006-7192	437
2006-7300	437
2006-8031	81
2006-8031/000-053	81
2006-8032	81
2006-8033	81
2006-8034	81
2006-8035	81
2006-8036	81
2006-8039	81
2006-8661	241
2006-8664	241
2006-8691	241
2006-8692	241
2007 Series	
2007-8442	247
2007-8443	247
2007-8444	247
2007-8445	247
2007-8446	247
2007-8447	247
2007-8448	247
2007-8801	247
2007-8804	247
2007-8807	247
2007-8811	247
2007-8811/041-000	247
2007-8811/043-000	247
2007-8821	247
2007-8821/041-000	247
2007-8891	247
2007-8892	247
2007-8893	247
2007-8894	247
2007-8899	247
2009 Series	
2009-110	9
2009-110/020-002	554
2009-113	554
2009-114	554
2009-115	554
2009-145	555
2009-163	563
2009-174	9
2009-182	9
2009-191	560
2009-192	560

Item No.	Page
2009 Series	
2009-193	560
2009-196	560
2009-198	560
2009-304	411
2009-305	411
2009-309	590
2009-310	590
2009-402	524
2009-404	524
2009-406	524
2009-412	524
2009-414	524
2009-414/000-005	524
2009-414/000-006	524
2009-416	524
2010 Series	
2010-100	537
2010-115	537
2010-402	15
2010-403	15
2010-404	15
2010-405	15
2010-405/011-000	520
2010-433	15
2010-434	15
2010-435	15
2010-511	533
2010-549	533
2010-1201	83
2010-1201/000-053	83
2010-1202	83
2010-1203	83
2010-1204	83
2010-1205	83
2010-1206	83
2010-1207	83
2010-1208	83
2010-1291	49
2010-1292	49
2010-1301	83
2010-1301/000-053	83
2010-1302	83
2010-1303	83
2010-1304	83
2010-1305	83
2010-1307	83
2010-1391	49
2010-1392	49
2010-7111	447
2010-7114	447
2010-7192	447
2016 Series	
2016-100	537
2016-115	537
2016-402	17
2016-403	17
2016-404	17
2016-405	17
2016-405/011-000	521
2016-433	17
2016-434	17
2016-435	17
2016-499	522
2016-511	533
2016-549	533
2016-1201	87
2016-1201/000-053	87
2016-1202	87
2016-1203	87
2016-1204	87
2016-1207	87
2016-1291	53
2016-1292	53
2016-1301	87
2016-1301/000-053	87
2016-1302	87
2016-1303	87

Item No.	Page
2016 Series	
2016-1304	87
2016-1305	87
2016-1306	87
2016-1307	87
2016-1391	53
2016-1392	53
2016-7111	449
2016-7114	449
2016-7192	439
2016-7601	451
2016-7604	451
2016-7607	451
2016-7691	451
2016-7692	451
2016-7711	451
2016-7714	451
2016-7792	451
2016-8031	85
2016-8031/000-053	85
2016-8032	85
2016-8033	85
2016-8034	85
2016-8035	85
2016-8036	85
2016-8039	85
2020 Series	
2020-100	295
2020-102	351
2020-102/122-000	359
2020-102/132-000	359
2020-102/142-000	359
2020-103	351
2020-103/000-036	351
2020-103/000-037	351
2020-103/000-038	352
2020-103/000-039	353
2020-103/122-000	359
2020-103/132-000	359
2020-103/142-000	359
2020-104	351
2020-104/000-036	351
2020-104/000-037	351
2020-104/000-038	352
2020-104/000-039	353
2020-104/124-000	359
2020-104/133-000	359
2020-104/143-000	359
2020-105	351
2020-105/000-036	351
2020-105/000-037	351
2020-105/000-038	352
2020-105/000-039	353
2020-105/124-000	359
2020-105/133-000	359
2020-105/143-000	359
2020-106	351
2020-106/000-036	351
2020-106/000-037	351
2020-106/000-038	352
2020-106/000-039	353
2020-106/124-000	359
2020-106/133-000	359
2020-106/143-000	359
2020-107	351
2020-107/000-036	351
2020-107/000-037	351
2020-107/000-038	352
2020-107/000-039	353
2020-107/124-000	359
2020-107/134-000	359
2020-107/144-000	359
2020-108	351
2020-108/000-036	351
2020-108/000-037	351
2020-108/000-038	352
2020-108/000-039	353
2020-108/124-000	359
2020-108/134-000	359
2020-108/144-000	359

Item No.	Page
2020 Series	
2020-109	351
2020-109/000-036	351
2020-109/000-037	351
2020-109/000-038	352
2020-109/000-039	353
2020-109/124-000	359
2020-109/134-000	359
2020-109/144-000	359
2020-110	351
2020-110/000-036	351
2020-110/000-037	351
2020-110/000-038	352
2020-110/000-039	353
2020-110/125-000	359
2020-110/135-000	359
2020-110/145-000	359
2020-111	351
2020-111/000-036	351
2020-111/000-037	351
2020-111/000-038	352
2020-111/000-039	353
2020-111/125-000	359
2020-111/135-000	359
2020-111/145-000	359
2020-112	351
2020-112/000-036	351
2020-112/000-037	351
2020-112/000-038	352
2020-112/000-039	353
2020-112/125-000	359
2020-112/135-000	359
2020-112/145-000	359
2020-113	351
2020-113/000-036	351
2020-113/000-037	351
2020-113/000-038	352
2020-113/000-039	353
2020-113/125-000	359
2020-113/135-000	359
2020-113/145-000	359
2020-114	351
2020-114/000-036	351
2020-114/000-037	351
2020-114/000-038	352
2020-114/000-039	353
2020-114/125-000	359
2020-114/135-000	359
2020-114/145-000	359
2020-115	351
2020-115/000-036	351
2020-115/000-037	351
2020-115/000-038	352
2020-115/000-039	353
2020-115/125-000	359
2020-115/135-000	359
2020-115/145-000	359
2020-161	363
2020-164	363
2020-167	363
2020-181	363
2020-184	363
2020-187	363
2020-202	354
2020-202/122-000	360
2020-202/132-000	360
2020-202/142-000	360
2020-203	354
2020-203/000-036	354
2020-203/000-037	354
2020-203/000-038	355
2020-203/000-039	356
2020-203/122-000	360
2020-203/132-000	360
2020-203/142-000	360
2020-204	354
2020-204/000-036	354
2020-204/000-037	354
2020-204/000-038	355
2020-204/000-039	356
2020-204/124-000	360
2020-204/133-000	360

Item No.	Page
2020 Series	
2020-204/143-000	360
2020-205	354
2020-205/000-036	354
2020-205/000-037	354
2020-205/000-038	355
2020-205/000-039	356
2020-205/124-000	360
2020-205/133-000	360
2020-205/143-000	360
2020-206	354
2020-206/000-036	354
2020-206/000-037	354
2020-206/000-038	355
2020-206/000-039	356
2020-206/124-000	360
2020-206/133-000	360
2020-206/143-000	360
2020-207	354
2020-207/000-036	354
2020-207/000-037	354
2020-207/000-038	355
2020-207/000-039	356
2020-207/124-000	360
2020-207/134-000	360
2020-207/144-000	360
2020-208	354
2020-208/000-036	354
2020-208/000-037	354
2020-208/000-038	355
2020-208/000-039	356
2020-208/124-000	360
2020-208/134-000	360
2020-208/144-000	360
2020-209	354
2020-209/000-036	354
2020-209/000-037	354
2020-209/000-038	355
2020-209/000-039	356
2020-209/124-000	360
2020-209/134-000	360
2020-209/144-000	360
2020-210	354
2020-210/000-036	354
2020-210/000-037	354
2020-210/000-038	355
2020-210/000-039	356
2020-210/125-000	360
2020-210/135-000	360
2020-210/145-000	360
2020-211	354
2020-211/000-036	354
2020-211/000-037	354
2020-211/000-038	355
2020-211/000-039	356
2020-211/125-000	360
2020-211/135-000	360
2020-211/145-000	360
2020-212	354
2020-212/000-036	354
2020-212/000-037	354
2020-212/000-038	355
2020-212/000-039	356
2020-212/125-000	360
2020-212/135-000	360
2020-212/145-000	360
2020-213	354
2020-213/000-036	354
2020-213/000-037	354
2020-213/000-038	355
2020-213/000-039	356
2020-213/125-000	360
2020-213/135-000	360
2020-213/145-000	360
2020-214	354
2020-214/000-036	354
2020-214/000-037	354
2020-214/000-038	355
2020-214/000-039	356
2020-214/125-000	360
2020-214/135-000	360
2020-214/145-000	360

Item No.	Page
2020 Series	
2020-215	354
2020-215/000-036	354
2020-215/000-037	354
2020-215/000-038	355
2020-215/000-039	356
2020-215/125-000	360
2020-215/135-000	360
2020-215/145-000	360
2020-261	363
2020-264	363
2020-267	363
2020-281	363
2020-284	363
2020-287	363
2020-1201	345
2020-1204	345
2020-1207	345
2020-1291	345
2020-1292	345
2020-1301	345
2020-1304	345
2020-1307	345
2020-1391	345
2020-1392	345
2020-1401	345
2020-1404	345
2020-1407	345
2020-1491	345
2020-1492	345
2020-2201	347
2020-2202	347
2020-2203	347
2020-2204	347
2020-2207	348
2020-2208	348
2020-2209	348
2020-2217	347
2020-2227	347
2020-2231	347
2020-2232	347
2020-2233	347
2020-2234	347
2020-2237	348
2020-2238	348
2020-2239	348
2020-2247	347
2020-2257	347
2020-2291	347
2020-2292	347
2020-5311	295
2020-5311/1102-950	295
2020-5317/102-000	299
2020-5317/1102-950	299
2020-5372	297
2020-5372/1102-953	297
2020-5377/102-000	301
2020-5391	295
2020-5417	303
2020-5417/1102-950	303
2020-5477	305
2020-5477/1102-953	305
2020-5491	303
2022 Series	
2022-100	367
2022-101	377
2022-101/000-006	377
2022-101/000-012	377
2022-101/000-016	378
2022-101/122-000	383
2022-101/122-006	383
2022-101/122-016	383
2022-101/132-000	383
2022-101/132-006	383
2022-101/132-016	383
2022-101/142-000	383
2022-101/142-006	383
2022-101/142-016	383
2022-102	377
2022-102/000-006	377
2022-102/000-012	377

Item No.	Page
2022 Series	
2022-102/000-016	378
2022-102/000-038	380
2022-102/000-039	381
2022-102/122-000	383
2022-102/132-000	383
2022-102/142-000	383
2022-102/999-953	399
2022-103	377
2022-103/000-006	377
2022-103/000-012	377
2022-103/000-016	378
2022-103/000-036	378
2022-103/000-037	379
2022-103/000-038	380
2022-103/000-038/999-953	399
2022-103/000-039	381
2022-103/000-039/999-953	400
2022-103/123-000	383
2022-103/133-000	383
2022-103/143-000	383
2022-103/999-953	399
2022-104	377
2022-104/000-006	377
2022-104/000-012	377
2022-104/000-016	378
2022-104/000-036	378
2022-104/000-037	379
2022-104/000-038	380
2022-104/000-038/999-953	399
2022-104/000-039	381
2022-104/000-039/999-953	400
2022-104/123-000	383
2022-104/133-000	383
2022-104/143-000	383
2022-104/999-953	399
2022-105	377
2022-105/000-006	377
2022-105/000-012	377
2022-105/000-016	378
2022-105/000-036	378
2022-105/000-037	379
2022-105/000-038	380
2022-105/000-038/999-953	399
2022-105/000-039	381
2022-105/000-039/999-953	400
2022-105/123-000	383
2022-105/134-000	383
2022-105/144-000	383
2022-105/999-953	399
2022-106	377
2022-106/000-006	377
2022-106/000-012	377
2022-106/000-016	378
2022-106/000-036	378
2022-106/000-037	379
2022-106/000-038	380
2022-106/000-038/999-953	399
2022-106/000-039	381
2022-106/000-039/999-953	400
2022-106/123-000	383
2022-106/134-000	383
2022-106/144-000	383
2022-106/999-953	399
2022-107	377
2022-107/000-006	377
2022-107/000-012	377
2022-107/000-016	378
2022-107/000-036	378
2022-107/000-037	379
2022-107/000-038	380
2022-107/000-039	381
2022-107/123-000	383
2022-107/135-000	383
2022-107/145-000	383
2022-107/999-953	399
2022-108	377
2022-108/000-006	377
2022-108/000-012	377
2022-108/000-016	378
2022-108/000-036	378
2022-108/000-037	379

Item Number Index

Item No.	Page
2022 Series	
2022-108/000-038	380
2022-108/000-039	381
2022-108/123-000	383
2022-108/135-000	383
2022-108/145-000	383
2022-108/999-953	399
2022-109	377
2022-109/000-006	377
2022-109/000-012	377
2022-109/000-016	378
2022-109/000-036	378
2022-109/000-037	379
2022-109/000-038	380
2022-109/000-039	381
2022-109/123-000	383
2022-109/135-000	383
2022-109/145-000	383
2022-110	377
2022-110/000-006	377
2022-110/000-012	377
2022-110/000-016	378
2022-110/000-036	378
2022-110/000-037	379
2022-110/000-038	380
2022-110/000-039	381
2022-110/123-000	383
2022-110/135-000	383
2022-110/145-000	383
2022-111	377
2022-111/000-006	377
2022-111/000-012	377
2022-111/000-016	378
2022-111/000-036	378
2022-111/000-037	379
2022-111/000-038	380
2022-111/000-039	381
2022-111/126-000	383
2022-111/136-000	383
2022-111/146-000	383
2022-112	377
2022-112/000-006	377
2022-112/000-012	377
2022-112/000-016	378
2022-112/000-036	378
2022-112/000-037	379
2022-112/000-038	380
2022-112/000-039	381
2022-112/126-000	383
2022-112/136-000	383
2022-112/146-000	383
2022-113	377
2022-113/000-006	377
2022-113/000-012	377
2022-113/000-016	378
2022-113/000-036	378
2022-113/000-037	379
2022-113/000-038	380
2022-113/000-039	381
2022-113/126-000	383
2022-113/136-000	383
2022-113/146-000	383
2022-114	377
2022-114/000-006	377
2022-114/000-012	377
2022-114/000-016	378
2022-114/000-036	378
2022-114/000-037	379
2022-114/000-038	380
2022-114/000-039	381
2022-114/126-000	383
2022-114/136-000	383
2022-114/146-000	383
2022-115	377
2022-115/000-006	377
2022-115/000-012	377
2022-115/000-016	378
2022-115/000-036	378
2022-115/000-037	379
2022-115/000-038	380
2022-115/000-039	381
2022-115/127-000	383

Item No.	Page
2022 Series	
2022-115/137-000	383
2022-115/147-000	383
2022-141	351
2022-142	351
2022-151	363
2022-152	363
2022-161	385
2022-162	385
2022-164	385
2022-167	385
2022-171	385
2022-172	385
2022-174	385
2022-177	385
2022-181	385
2022-182	385
2022-184	385
2022-187	385
2022-1201	369
2022-1201/999-953	391
2022-1202	369
2022-1204	369
2022-1204/999-953	391
2022-1207	369
2022-1207/999-953	391
2022-1291	367
2022-1292	367
2022-1301	369
2022-1301/999-953	391
2022-1302	369
2022-1304	369
2022-1304/999-953	391
2022-1307	369
2022-1307/999-953	391
2022-1391	367
2022-1392	367
2022-1401	369
2022-1401/999-953	391
2022-1402	369
2022-1404	369
2022-1404/999-953	391
2022-1407	369
2022-1407/999-953	391
2022-1491	367
2022-1492	367
2022-1601	371
2022-1601/999-953	393
2022-1604	371
2022-1604/999-953	393
2022-1607	371
2022-1607/999-953	393
2022-1691	371
2022-1692	371
2022-1801	371
2022-1801/999-953	393
2022-1804	371
2022-1804/999-953	393
2022-1807	371
2022-1807/999-953	393
2022-1891	371
2022-1892	371
2022-2201	373
2022-2201/999-953	395
2022-2202	373
2022-2202/999-953	395
2022-2203	373
2022-2203/999-953	395
2022-2204	373
2022-2204/999-953	395
2022-2207	374
2022-2207/999-953	396
2022-2208	374
2022-2208/999-953	396
2022-2209	374
2022-2209/999-953	396
2022-2217	373
2022-2217/999-953	395
2022-2227	373
2022-2227/999-953	395
2022-2231	373
2022-2231/999-953	395

Item No.	Page
2022 Series	
2022-2232	373
2022-2232/999-953	395
2022-2233	373
2022-2233/999-953	395
2022-2234	373
2022-2234/999-953	395
2022-2237	374
2022-2237/999-953	396
2022-2238	374
2022-2238/999-953	396
2022-2239	374
2022-2239/999-953	396
2022-2247	373
2022-2247/999-953	395
2022-2257	373
2022-2257/999-953	395
2022-2291	373
2022-2292	373
2050 Series	
2050-301	475
2050-301/000-014	475
2050-302	475
2050-303	475
2050-304	475
2050-305	475
2050-306	475
2050-307	475
2050-311	475
2050-311/000-014	475
2050-312	475
2050-313	475
2050-314	475
2050-315	475
2050-316	475
2050-317	475
2050-321	475
2050-321/000-014	475
2050-322	475
2050-323	475
2050-324	475
2050-325	475
2050-326	475
2050-327	475
2050-381	467
2050-391	467
2050-1201	473
2050-1201/000-014	473
2050-1202	473
2050-1203	473
2050-1204	473
2050-1205	473
2050-1206	473
2050-1207	473
2050-1291	465
2052 Series	
2052-301	479
2052-301/000-014	479
2052-302	479
2052-303	479
2052-304	479
2052-305	479
2052-306	479
2052-307	479
2052-311	479
2052-311/000-014	479
2052-312	479
2052-313	479
2052-314	479
2052-315	479
2052-316	479
2052-317	479
2052-321	479
2052-321/000-014	479
2052-322	479
2052-323	479
2052-324	479
2052-325	479
2052-326	479

Item No.	Page
2052 Series	
2052-327	479
2052-381	471
2052-391	471
2052-1201	477
2052-1201/000-014	477
2052-1202	477
2052-1203	477
2052-1204	477
2052-1205	477
2052-1206	477
2052-1207	477
2052-1291	469
2102 Series	
2102-1201	9
2102-1204	9
2102-1207	9
2102-1291	9
2102-1292	9
2102-1301	9
2102-1304	9
2102-1307	9
2102-1391	9
2102-1392	9
2102-5201	21
2102-5204	21
2102-5207	21
2102-5301	21
2102-5304	21
2102-5307	21
2104 Series	
2104-1201	11
2104-1204	11
2104-1207	11
2104-1291	11
2104-1292	11
2104-1301	11
2104-1304	11
2104-1307	11
2104-1391	11
2104-1392	11
2104-5201	23
2104-5204	23
2104-5207	23
2104-5301	23
2104-5304	23
2104-5307	23
2106 Series	
2106-1201	13
2106-1204	13
2106-1207	13
2106-1291	13
2106-1292	13
2106-1301	13
2106-1304	13
2106-1307	13
2106-1391	13
2106-1392	13
2106-5201	25
2106-5204	25
2106-5207	25
2106-5301	25
2106-5304	25
2106-5307	25
2110 Series	
2110-1201	15
2110-1204	15
2110-1207	15
2110-1291	15
2110-1292	15
2110-1301	15
2110-1304	15
2110-1307	15
2110-1391	15
2110-1392	15
2110-5201	27
2110-5204	27
2110-5207	27

Item No.	Page
2110 Series	
2110-5301	27
2110-5304	27
2110-5307	27
2116 Series	
2116-1201	17
2116-1201/605-038	19
2116-1204	17
2116-1207	17
2116-1291	17
2116-1292	17
2116-1301	17
2116-1304	17
2116-1307	17
2116-1391	17
2116-1392	17
2116-5201	29
2116-5204	29
2116-5207	29
2116-5301	29
2116-5304	29
2116-5307	29
2200 Series	
2200-1201	31
2200-1204	31
2200-1207	31
2200-1301	31
2200-1304	31
2200-1307	31
2200-1401	31
2200-1404	31
2200-1407	31
2200-2201	89
2200-2201/352-000	90
2200-2201/353-000	90
2200-2202	89
2200-2203	89
2200-2204	89
2200-2206	89
2200-2207	91
2200-2208	90
2200-2209	90
2200-2217	89
2200-2218	89
2200-2227	89
2200-2228	89
2200-2231	89
2200-2232	89
2200-2233	89
2200-2234	89
2200-2236	89
2200-2237	91
2200-2238	90
2200-2239	90
2200-2247	89
2200-2248	89
2200-2257	89
2200-2258	89
2200-3201	131
2200-3203	131
2200-3204	131
2200-3207	132
2200-3208	132
2200-3209	132
2200-3217	131
2200-3218	131
2200-3227	131
2200-3228	131
2200-3231	131
2200-3233	131
2200-3234	131
2200-3237	132
2200-3238	132
2200-3239	132
2200-3247	131
2200-3248	131
2200-3257	131
2200-3258	131

Item No.	Page
2201 Series	
2201-1201	33
2201-1201/000-053	33
2201-1202	33
2201-1203	33
2201-1204	33
2201-1205	33
2201-1206	33
2201-1207	33
2201-1209	33
2201-1301	33
2201-1301/000-053	33
2201-1302	33
2201-1303	33
2201-1304	33
2201-1305	33
2201-1306	33
2201-1307	33
2201-1309	33
2201-1401	33
2201-1401/000-053	33
2201-1402	33
2201-1403	33
2201-1404	33
2201-1405	33
2201-1406	33
2201-1407	33
2201-1409	33
2201-1501	34
2201-1502	34
2201-1503	34
2201-1504	34
2201-1505	34
2201-1506	34
2201-1507	34
2201-1508	34
2201-1509	34
2202 Series	
2202-1201	37
2202-1201/000-053	37
2202-1202	37
2202-1203	37
2202-1204	37
2202-1205	37
2202-1206	37
2202-1207	37
2202-1209	37
2202-1211/1000-410	325
2202-1211/1000-411	325
2202-1301	37
2202-1301/000-053	37
2202-1302	37
2202-1303	37
2202-1304	37
2202-1305	37
2202-1306	37
2202-1307	37
2202-1309	37
2202-1311/1000-410	325
2202-1311/1000-411	325
2202-1401	37
2202-1401/000-053	37
2202-1402	37
2202-1403	37
2202-1404	37
2202-1405	37
2202-1406	37
2202-1407	37
2202-1409	37
2202-1411/1000-410	325
2202-1411/1000-411	325
2202-1611	167
2202-1611/1000-541	169
2202-1611/1000-542	169
2202-1611/1000-836	171
2202-1611/1000-867	171
2202-1661	179
2202-1671	157
2202-1674	157
2202-1681	161
2202-1711	167

Item No.	Page
2202 Series	
2202-1711/1000-541	169
2202-1711/1000-542	169
2202-1711/1000-836	171
2202-1711/1000-867	171
2202-1761	179
2202-1771	157
2202-1772	157
2202-1774	157
2202-1781	161
2202-1811	173
2202-1811/1000-541	175
2202-1811/1000-542	175
2202-1811/1000-836	177
2202-1811/1000-867	177
2202-1812	173
2202-1861	181
2202-1871	159
2202-1872	159
2202-1874	159
2202-1881	163
2202-1911	173
2202-1911/1000-541	175
2202-1911/1000-542	175
2202-1911/1000-836	177
2202-1911/1000-867	177
2202-1961	181
2202-1962	181
2202-1971	159
2202-1981	163
2202-1981/1000-413	165
2202-1981/1000-414	165
2202-1981/1000-429	165
2202-1981/1000-434	165
2202-1981/1000-435	165
2202-1981/1000-449	165
2202-2201	93
2202-2202	93
2202-2203	93
2202-2204	93
2202-2206	93
2202-2207	94
2202-2208	94
2202-2209	94
2202-2217	93
2202-2218	93
2202-2227	93
2202-2228	93
2202-2231	93
2202-2232	93
2202-2233	93
2202-2234	93
2202-2236	93
2202-2237	94
2202-2238	94
2202-2239	94
2202-2247	93
2202-2248	93
2202-2257	93
2202-2258	93
2202-2701	97
2202-2701/000-005	97
2202-2702	97
2202-2703	97
2202-2704	97
2202-2705	97
2202-2707	98
2202-2708	97
2202-2709	98
2202-2717	97
2202-2727	97
2202-2731	97
2202-3201	135
2202-3203	135
2202-3204	135
2202-3207	136
2202-3208	136
2202-3209	136
2202-3217	135
2202-3218	135
2202-3227	135
2202-3228	135

Item No.	Page
2202 Series	
2202-3231	135
2202-3233	135
2202-3234	135
2202-3237	136
2202-3238	136
2202-3239	136
2202-3247	135
2202-3248	135
2202-3257	135
2202-3258	135
2202-6301	39
2202-6302	39
2202-6303	39
2202-6304	39
2202-6305	39
2202-6306	39
2202-6307	39
2202-6401	41
2202-6402	41
2202-6403	41
2202-6404	41
2202-6405	41
2202-6406	41
2202-6407	41
2202-7111	435
2202-7114	435
2202-7211	435
2202-7214	435
2203 Series	
2203-6540	423
2203-6541	421
2203-6542	421
2203-6543	423
2203-6544	421
2203-6545	421
2203-6546	421
2203-6549	421
2203-6550	421
2203-6551	421
2203-6560	423
2203-6561	423
2203-6640	415
2203-6641	413
2203-6642	413
2203-6643	415
2203-6644	413
2203-6645	413
2203-6646	413
2203-6649	413
2203-6650	413
2203-6651	413
2203-6660	415
2203-6661	415
2203-6692	413
2203-6693	415
2203-6694	415
2203-7540	419
2203-7541	419
2203-7542	419
2203-7545	419
2203-7546	419
2203-7549	419
2203-7550	419
2203-7551	419
2203-7559	419
2203-7640	411
2203-7641	411
2203-7642	411
2203-7645	411
2203-7646	411
2203-7649	411
2203-7650	411
2203-7651	411
2203-7659	411
2203-7692	411
2204 Series	
2204-1201	43
2204-1201/000-053	43
2204-1202	43

Item Number Index

Item No.	Page
2204 Series	
2204-1203	43
2204-1204	43
2204-1205	43
2204-1206	43
2204-1207	43
2204-1209	43
2204-1301	43
2204-1301/000-053	43
2204-1302	43
2204-1303	43
2204-1304	43
2204-1305	43
2204-1306	43
2204-1307	43
2204-1309	43
2204-1401	43
2204-1401/000-053	43
2204-1402	43
2204-1403	43
2204-1404	43
2204-1405	43
2204-1406	43
2204-1407	43
2204-1409	43
2205 Series	
2205-7541	425
2205-7542	425
2205-7545	425
2205-7546	425
2205-7549	425
2205-7641	417
2205-7642	417
2205-7645	417
2205-7646	417
2205-7649	417
2205-7692	417
2206 Series	
2206-1201	45
2206-1201/000-053	45
2206-1203	45
2206-1204	45
2206-1205	45
2206-1207	45
2206-1301	45
2206-1301/000-053	45
2206-1303	45
2206-1304	45
2206-1305	45
2206-1307	45
2206-1401	45
2206-1401/000-053	45
2206-1402	45
2206-1403	45
2206-1404	45
2206-1405	45
2206-1407	45
2206-1611	213
2206-1611/1000-541	215
2206-1611/1000-542	215
2206-1611/1000-836	217
2206-1611/1000-867	217
2206-1612	213
2206-1615	213
2206-1621	213
2206-1621/1000-541	215
2206-1621/1000-542	215
2206-1621/1000-836	217
2206-1621/1000-859	217
2206-1621/1000-867	217
2206-1622	213
2206-1624	213
2206-1631	213
2206-1631/099-000	219
2206-1631/1000-541	215
2206-1631/1000-542	215
2206-1631/1000-836	217
2206-1631/1000-859	217
2206-1631/1000-867	217

Item No.	Page
2206 Series	
2206-1631/1099-541	221
2206-1631/1099-542	221
2206-1631/1099-836	223
2206-1631/1099-859	223
2206-1631/1099-867	223
2206-1661	225
2206-1662	225
2206-1663	225
2206-1664	225
2206-1671	209
2206-1671/1000-848	211
2206-1671/1000-849	211
2206-1671/1000-850	211
2206-1671/1000-851	211
2206-1672	209
2206-1673	209
2206-1674	209
2206-1675	209
2206-7111	437
2206-7114	437
2206-8031	47
2206-8031/000-053	47
2206-8032	47
2206-8033	47
2206-8034	47
2206-8035	47
2206-8036	47
2206-8039	47
2210 Series	
2210-1201	49
2210-1201/000-053	49
2210-1203	49
2210-1204	49
2210-1205	49
2210-1207	49
2210-1301	49
2210-1301/000-053	49
2210-1303	49
2210-1304	49
2210-1305	49
2210-1307	49
2216 Series	
2216-1201	53
2216-1201/000-053	53
2216-1203	53
2216-1204	53
2216-1205	53
2216-1207	53
2216-1301	53
2216-1301/000-053	53
2216-1303	53
2216-1304	53
2216-1305	53
2216-1307	53
2216-7111	439
2216-7114	439
2216-7601	441
2216-7604	441
2216-7607	441
2216-7691	441
2216-7692	441
2216-7711	441
2216-7714	441
2216-7792	441
2216-8031	51
2216-8031/000-053	51
2216-8032	51
2216-8033	51
2216-8034	51
2216-8035	51
2216-8036	51
2216-8039	51
2222 Series	
2222-1201	367
2222-1201/999-953	389
2222-1202	367
2222-1202/999-953	389
2222-1204	367

Item No.	Page
2222 Series	
2222-1204/999-953	389
2222-1207	367
2222-1207/999-953	389
2222-1301	367
2222-1301/999-953	389
2222-1302	367
2222-1302/999-953	389
2222-1304	367
2222-1304/999-953	389
2222-1307	367
2222-1307/999-953	389
2222-1401	367
2222-1401/999-953	389
2222-1402	367
2222-1402/999-953	389
2222-1404	367
2222-1404/999-953	389
2222-1407	367
2222-1407/999-953	389
2250 Series	
2250-301	467
2250-301/000-014	467
2250-302	467
2250-303	467
2250-304	467
2250-305	467
2250-306	467
2250-307	467
2250-311	467
2250-311/000-014	467
2250-312	467
2250-313	467
2250-314	467
2250-315	467
2250-316	467
2250-317	467
2250-321	467
2250-321/000-014	467
2250-322	467
2250-323	467
2250-324	467
2250-325	467
2250-326	467
2250-327	467
2250-1201	465
2250-1201/000-014	465
2250-1202	465
2250-1203	465
2250-1204	465
2250-1205	465
2250-1206	465
2250-1207	465
2252 Series	
2252-301	471
2252-301/000-014	471
2252-302	471
2252-303	471
2252-304	471
2252-305	471
2252-306	471
2252-307	471
2252-311	471
2252-311/000-014	471
2252-312	471
2252-313	471
2252-314	471
2252-315	471
2252-316	471
2252-317	471
2252-321	471
2252-321/000-014	471
2252-322	471
2252-323	471
2252-324	471
2252-325	471
2252-326	471
2252-327	471
2252-1201	469

Item No.	Page
2252 Series	
2252-1201/000-014	469
2252-1202	469
2252-1203	469
2252-1204	469
2252-1205	469
2252-1206	469
2252-1207	469

Item No.	Page

Item No.	Page

Item No.	Page

Item No.	Page

60588093 – 0888-9999/0000-0001 – WAGO TOPJOB® S Rail-Mount Terminal Block Systems 2025/1 GB - 03/2025-00 - Subject to changes

WAGO GmbH & Co. KG
Postfach 2880 · D · 32385 Minden
Hansastraße 27 · D · 32423 Minden
info@wago.com
www.wago.com

Headquarters +49 571 887 - 0
Sales +49 571 887 - 44222
Order Service +49 571 887 - 44333

Current adresses at **www.wago.com**

WAGO is a registered trademark of WAGO Verwaltungsgesellschaft mbH.
"Copyright – WAGO GmbH & Co. KG – All rights reserved.
The content and structure of the WAGO websites, catalogs, videos and other WAGO media are subject to copyright. Distribution or modification to the contents of these pages and videos is prohibited. Furthermore, the content may neither be copied nor made available to third parties for commercial purposes. Also subject to copyright are the images and videos that were made available to WAGO GmbH & Co. KG by third parties."