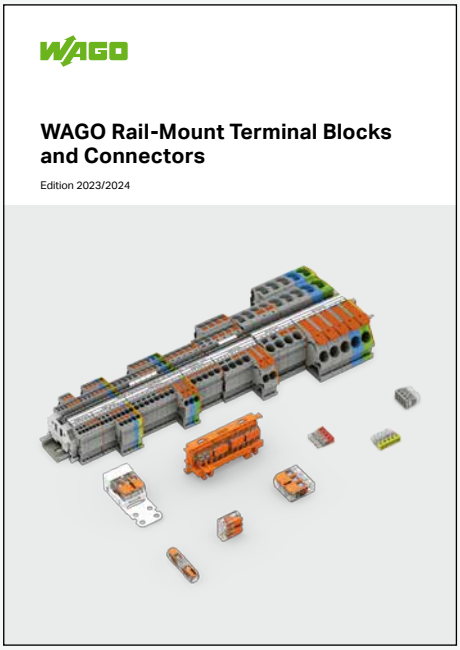
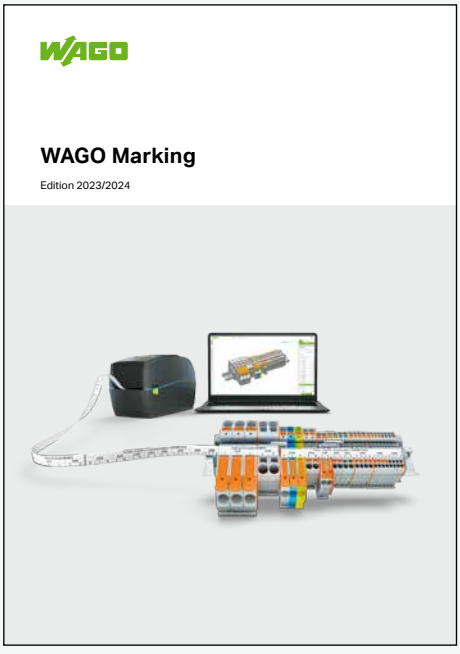
Electrical Interconnection

Supplementary Catalog

Edition 2023/1





The new items in this catalog supplement products found in the following main catalogs

WAGO Marking

WAGO Pluggable Connection System *WINSTA®*

WAGO PCB Terminal Blocks and Connectors

WAGO Rail-Mount Terminal Blocks and Connectors

Supplementary Catalog – Electrical Interconnections

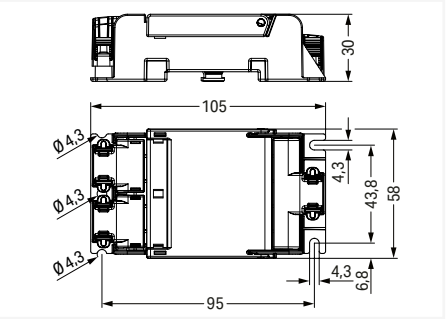
WAGO Rail-Mount Terminal Blocks and Connectors

WAGO Rail-Mount Terminal Blocks and Connectors

Junction Boxes; for 294 Series Lightning Connector (2,5 mm²)
899 Series

1

Technical Data
Dimensions (width x height x depth): 58 x 30 x 105 mm
Protection type: IP20
Current supply: 24 A (max.)
Operating voltage: 500 V (max.z)



899-8013/000-101

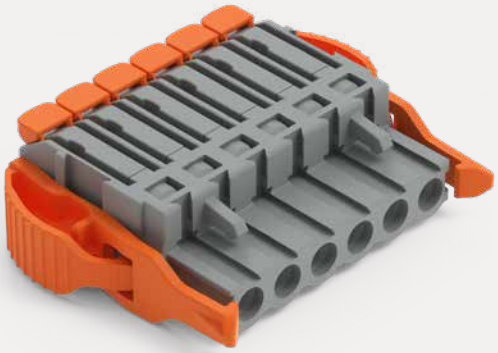
Junction Boxes; for 294 Series Lightning Connector (2,5 mm²), 3-pole		
Color	Item No.	Pack. Unit
◯ white	**899-8013/000-101**	10

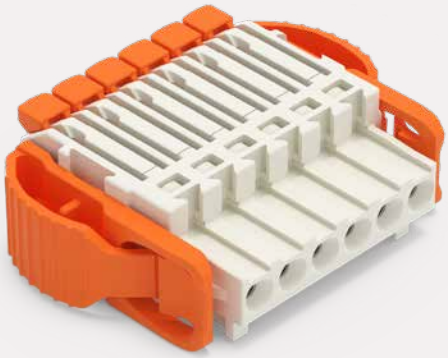
899-8035/000-101

Junction Boxes; for 294 Series Lightning Connector (2,5 mm²), 5-pole		
Color	Item No.	Pack. Unit
◯ white	**899-8035/000-101**	10

Contains article:		
Lighting connector, 3-pole		
white	**294-8013**	

Contains article:		
Lighting connector, 5-pole		
orange	**294-8035**	





WAGO PCB Terminal Blocks and Connectors

WAGO PCB Terminal Blocks and Connectors

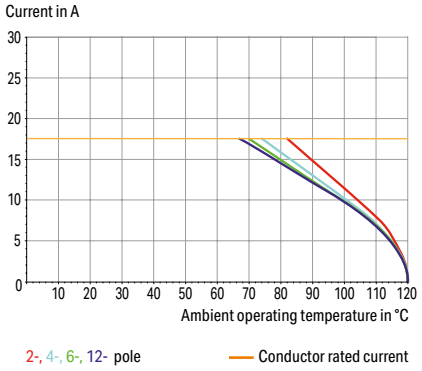
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	3.5 mm / 0.138 inch		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +105 °C

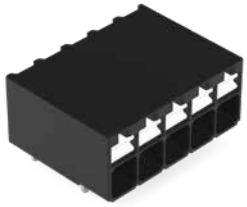
For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

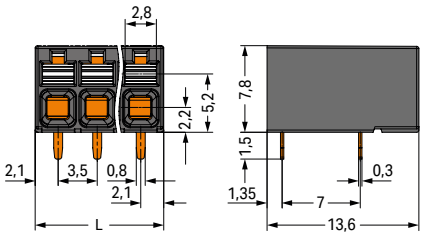
1

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

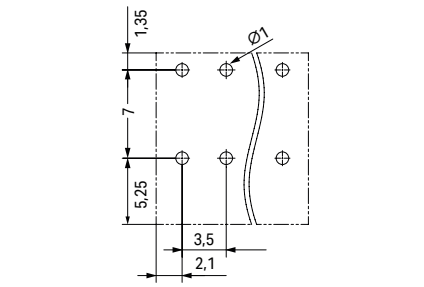


2086-1205/300-000

Pole No.	Item number	PU
2	2086-1202/300-000	432
3	2086-1203/300-000	300
4	2086-1204/300-000	228
5	2086-1205/300-000	180
6	2086-1206/300-000	144
7	2086-1207/300-000	132
8	2086-1208/300-000	108
9	2086-1209/300-000	96
10	2086-1210/300-000	84
11	2086-1211/300-000	84
12	2086-1212/300-000	72



L = (pole no. – 1) x pin spacing + 4.2 mm



Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-1105/300-000

Pole No.	Item number	PU
2	2086-1102/300-000	432
3	2086-1103/300-000	300
4	2086-1104/300-000	228
5	2086-1105/300-000	180
6	2086-1106/300-000	144
7	2086-1107/300-000	132
8	2086-1108/300-000	108
9	2086-1109/300-000	96
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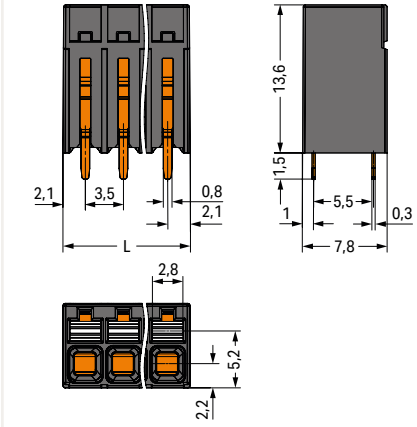
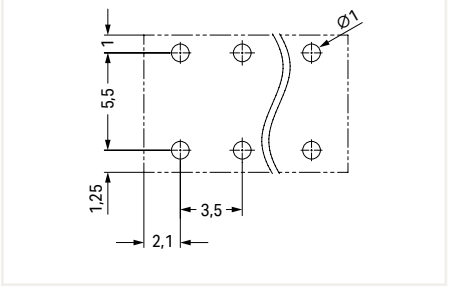
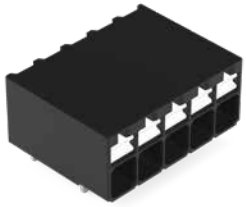
11	2086-1111/300-000	84
12	2086-1112/300-000	72



L = (pole no. – 1) x pin spacing + 4.2 mm

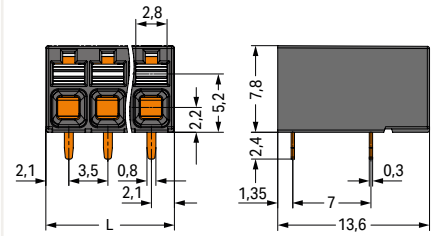


Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °

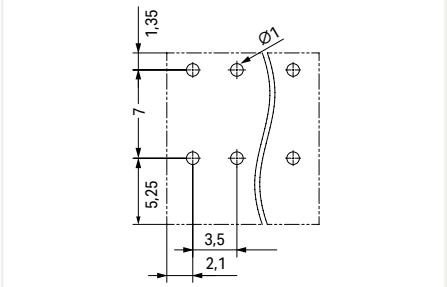


2086-1205

Pole No.	Item number	PU
2	2086-1202	432
3	2086-1203	300
4	2086-1204	228
5	2086-1205	180
6	2086-1206	144
7	2086-1207	132
8	2086-1208	108
9	2086-1209	96
10	2086-1210	84
11	2086-1211	84
12	2086-1212	72



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

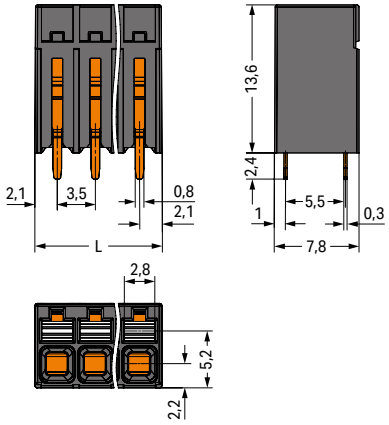
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

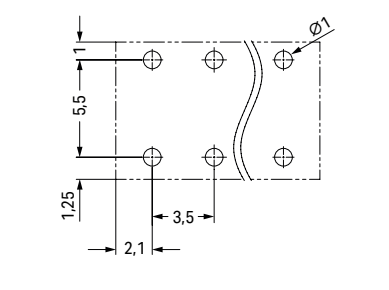
1

2086-1105

Pole No.	Item number	PU
2	2086-1102	432
3	2086-1103	300
4	2086-1104	228
5	2086-1105	180
6	2086-1106	144
7	2086-1107	132
8	2086-1108	108
9	2086-1109	96
10	2086-1110	84
11	2086-1111	84
12	2086-1112	72



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

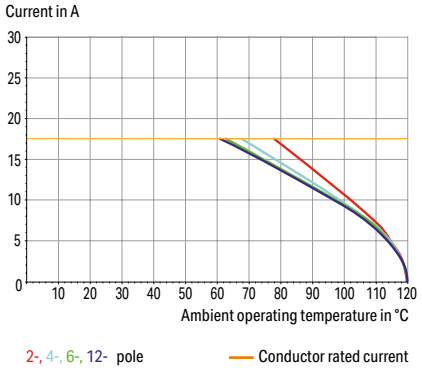
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	3.5 mm / 0.138 inch		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +105 °C

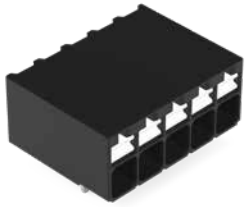
For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

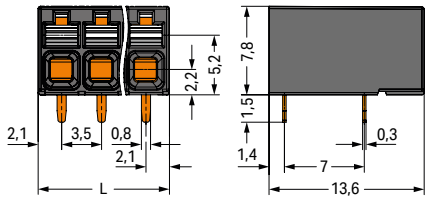
1

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

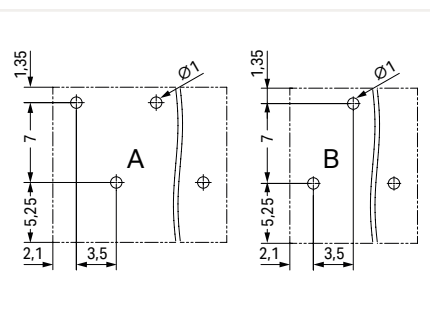


2086-1225/300-000

Pole No.	Item number	PU
2	2086-1222/300-000	432
3	2086-1223/300-000	300
4	2086-1224/300-000	228
5	2086-1225/300-000	180
6	2086-1226/300-000	144
7	2086-1227/300-000	132
8	2086-1228/300-000	108
9	2086-1229/300-000	96
10	2086-1230/300-000	84
11	2086-1231/300-000	84
12	2086-1232/300-000	72



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-1125/300-000

Pole No.	Item number	PU
2	2086-1122/300-000	432
3	2086-1123/300-000	300
4	2086-1124/300-000	228
5	2086-1125/300-000	180
6	2086-1126/300-000	144
7	2086-1127/300-000	132
8	2086-1128/300-000	108
9	2086-1129/300-000	96
10	2086-1130/300-000	84
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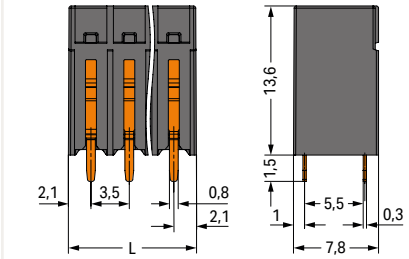
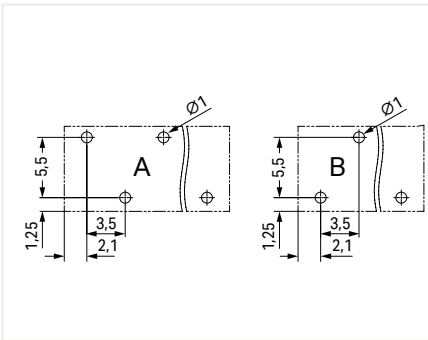
12	2086-1132/300-000	72

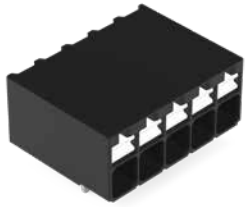


L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °



2086-1225

Pole No.	Item number	PU
2	2086-1222	432
3	2086-1223	300
4	2086-1224	228
5	2086-1225	180
6	2086-1226	144
7	2086-1227	132
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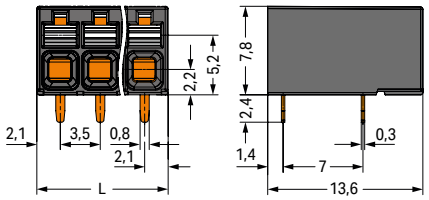
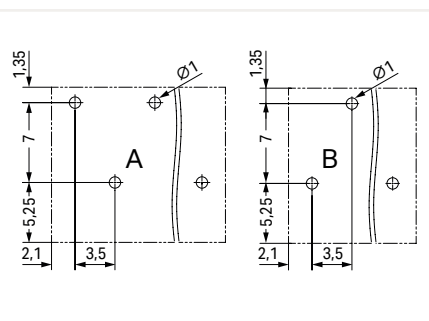
9	2086-1229	96
10	2086-1230	84
11	2086-1231	84
12	2086-1232	72



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

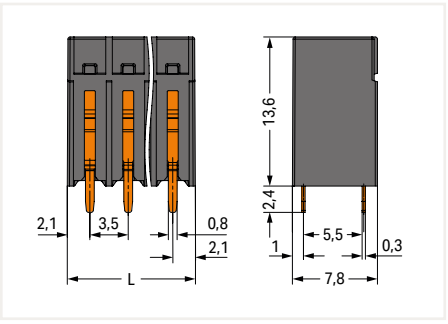
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

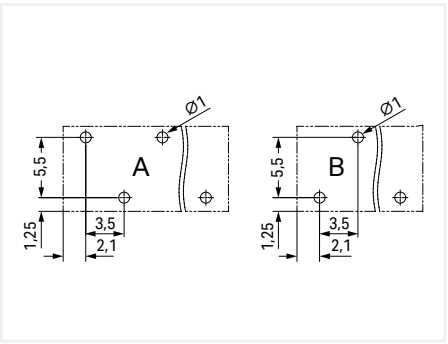
1

2086-1125

Pole No.	Item number	PU
2	2086-1122	432
3	2086-1123	300
4	2086-1124	228
5	2086-1125	180
6	2086-1126	144
7	2086-1127	132
8	2086-1128	108
9	2086-1129	96
10	2086-1130	84
11	2086-1131	84
12	2086-1132	72



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

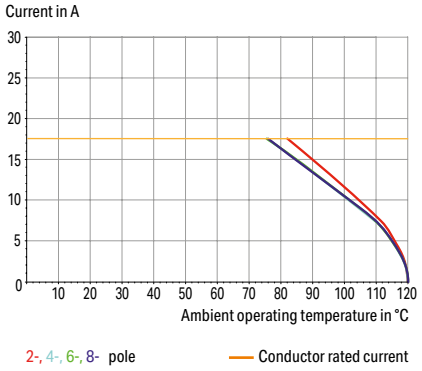
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	**5 mm / 0.138 inch**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

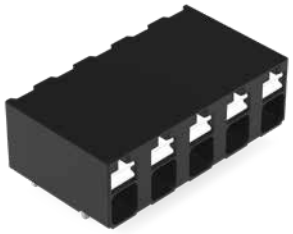
Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

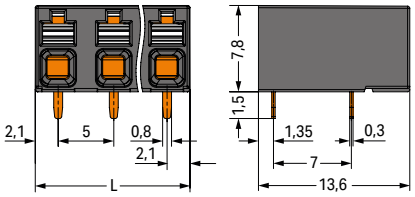
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

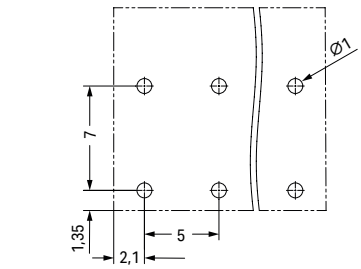


2086-3205/300-000

Pole No.	Item number	PU
2	2086-3202/300-000	360
3	2086-3203/300-000	228
4	2086-3204/300-000	168
5	2086-3205/300-000	132
6	2086-3206/300-000	108
7	2086-3207/300-000	96
8	2086-3208/300-000	84



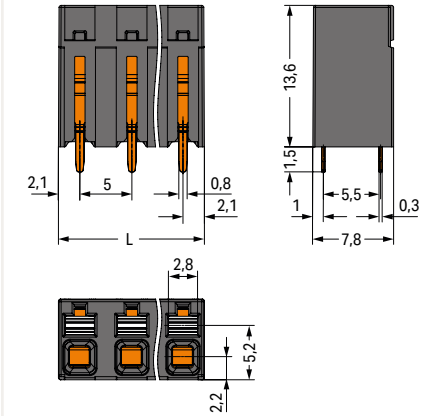
L = (pole no. – 1) x pin spacing + 4.2 mm



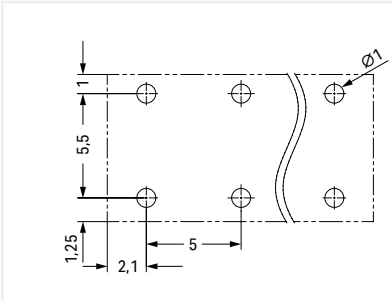
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-3105/300-000

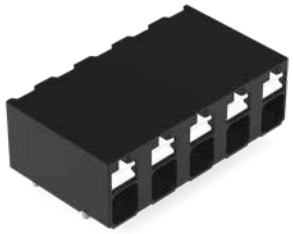
Pole No.	Item number	PU
2	2086-3102/300-000	360
3	2086-3103/300-000	228
4	2086-3104/300-000	168
5	2086-3105/300-000	132
6	2086-3106/300-000	108
7	2086-3107/300-000	96
8	2086-3108/300-000	84



L = (pole no. – 1) x pin spacing + 4.2 mm

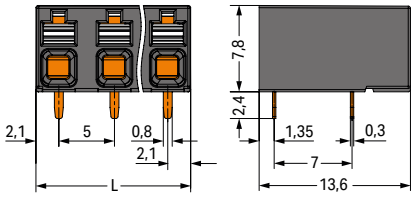


Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °

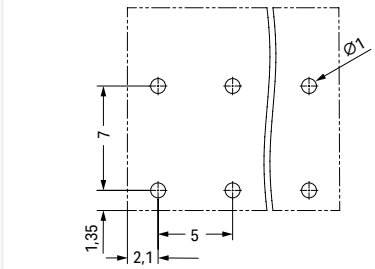


2086-3205

Pole No.	Item number	PU
2	2086-3202	360
3	2086-3203	228
4	2086-3204	168
5	2086-3205	132
6	2086-3206	108
7	2086-3207	96
8	2086-3208	84



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

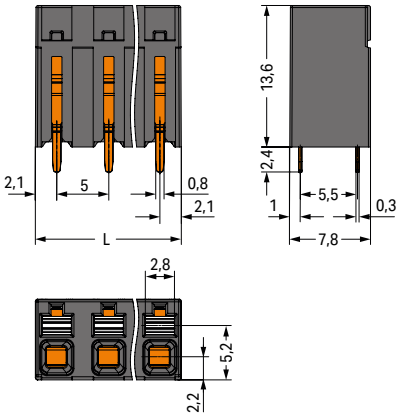
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Color: black

1

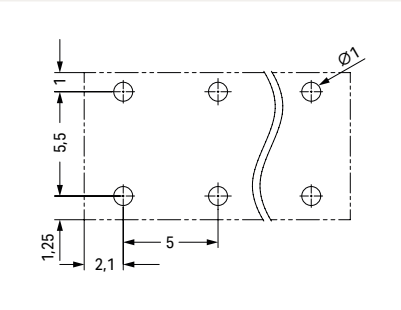
Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

2086-3105

Pole No.	Item number	PU
2	2086-3102	360
3	2086-3103	228
4	2086-3104	168
5	2086-3105	132
6	2086-3106	108
7	2086-3107	96
8	2086-3108	84



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

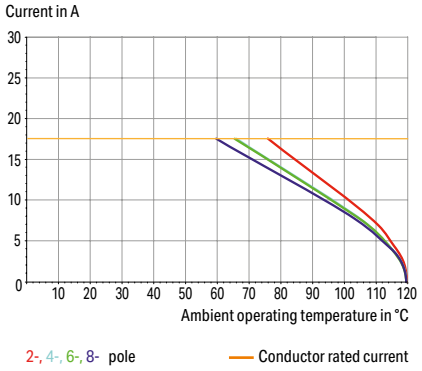
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	**5 mm / 0.138 inch**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

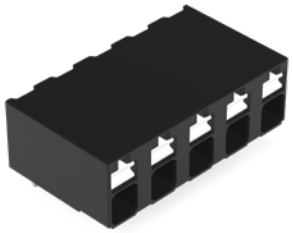
Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

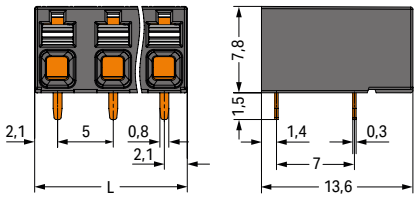
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

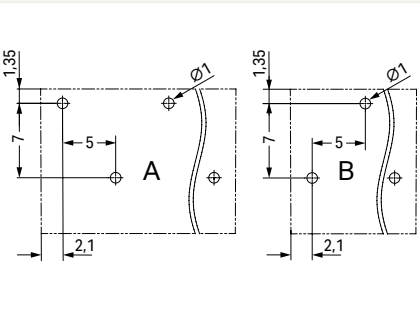


2086-3225/300-000

Pole No.	Item number	PU
2	2086-3222/300-000	360
3	2086-3223/300-000	228
4	2086-3224/300-000	168
5	2086-3225/300-000	132
6	2086-3226/300-000	108
7	2086-3227/300-000	96
8	2086-3228/300-000	84



L = (pole no. – 1) x pin spacing + 4.2 mm

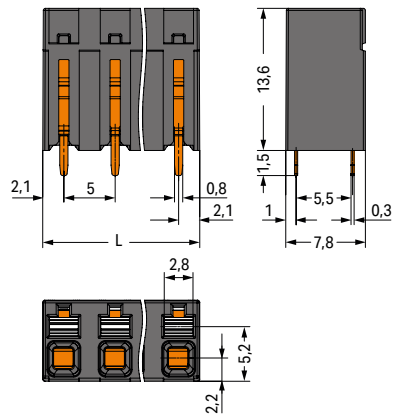


A = even number of poles
B = odd number of poles

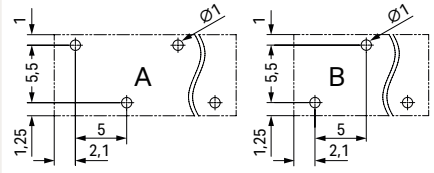
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-3125/300-000

Pole No.	Item number	PU
2	2086-3122/300-000	360
3	2086-3123/300-000	228
4	2086-3124/300-000	168
5	2086-3125/300-000	132
6	2086-3126/300-000	108
7	2086-3127/300-000	96
8	2086-3128/300-000	84

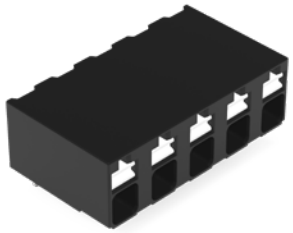


L = (pole no. – 1) x pin spacing + 4.2 mm



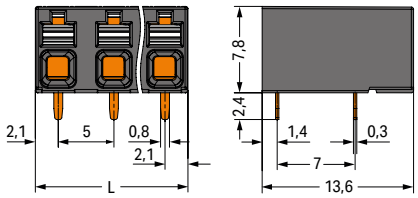
A = even number of poles
B = odd number of poles

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °

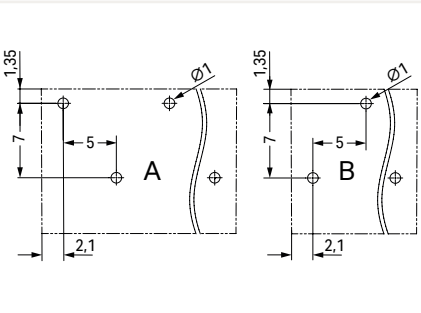


2086-3225

Pole No.	Item number	PU
2	2086-3222	360
3	2086-3223	228
4	2086-3224	168
5	2086-3225	132
6	2086-3226	108
7	2086-3227	96
8	2086-3228	84



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

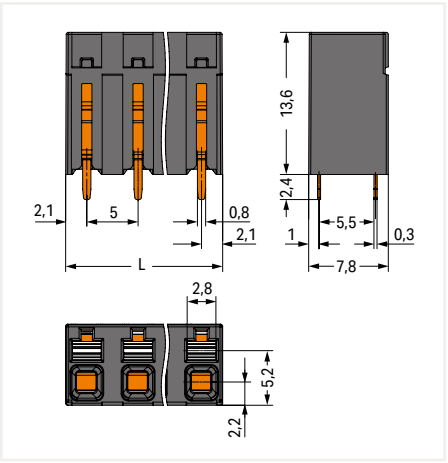
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Color: black

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

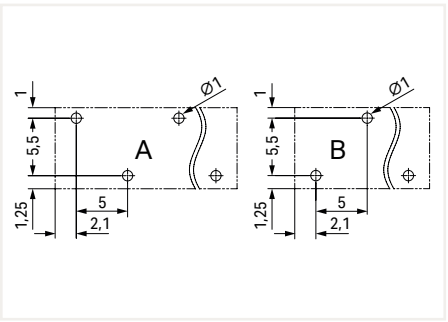
1

2086-3125

Pole No.	Item number	PU
2	2086-3122	360
3	2086-3123	228
4	2086-3124	168
5	2086-3125	132
6	2086-3126	108
7	2086-3127	96
8	2086-3128	84



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

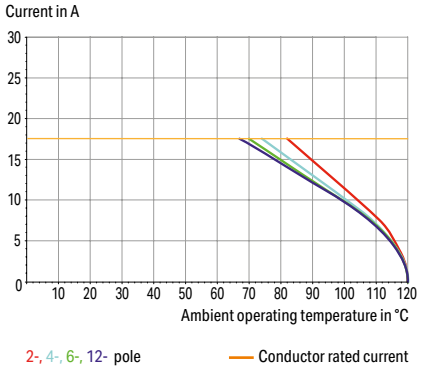
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Suitable for automated assembly ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data

Pin spacing	3.5 mm / 0.138 inch		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data

Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data

Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements

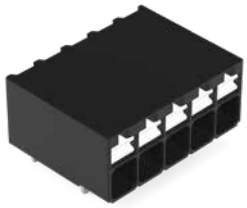
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

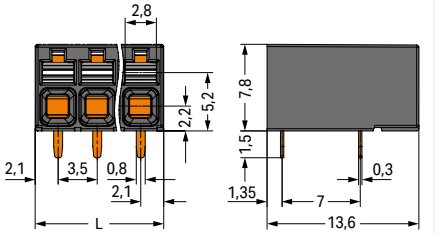
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Suitable for automated assembly ▸ Color: black

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

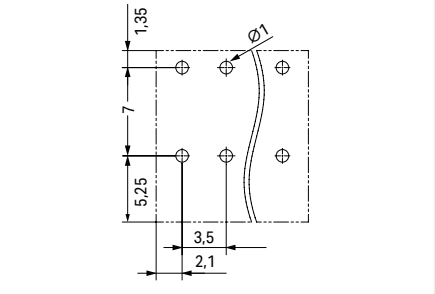


2086-1205/300-000/997-605

Pole No.	Item number	PU
2	2086-1202/300-000/997-604	
3	2086-1203/300-000/997-605	
4	2086-1204/300-000/997-605	
5	2086-1205/300-000/997-605	
6	2086-1206/300-000/997-607	
7	2086-1207/300-000/997-607	
8	2086-1208/300-000/997-607	
9	2086-1209/300-000/997-607	
10	2086-1210/300-000/997-607	
11	2086-1211/300-000/997-607	
12	2086-1212/300-000/997-607	



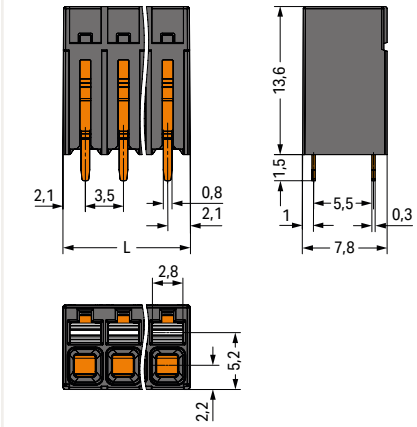
L = (pole no. – 1) x pin spacing + 4.2 mm



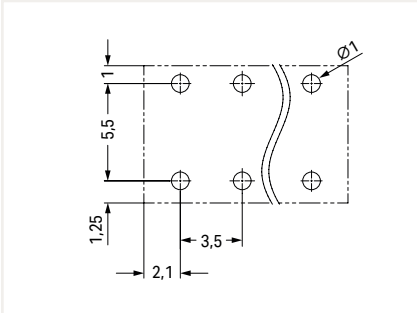
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-1105/300-000/997-605

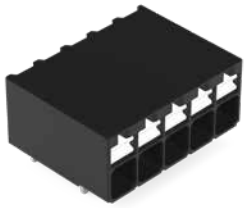
Pole No.	Item number	PU
2	2086-1102/300-000/997-604	
3	2086-1103/300-000/997-605	
4	2086-1104/300-000/997-605	
5	2086-1105/300-000/997-605	
6	2086-1106/300-000/997-607	
7	2086-1107/300-000/997-607	
8	2086-1108/300-000/997-607	
9	2086-1109/300-000/997-607	
10	2086-1110/300-000/997-607	
11	2086-1111/300-000/997-607	
12	2086-1112/300-000/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °



2086-1205/997-605

Pole No.	Item number	PU
2	2086-1202/997-604	
3	2086-1203/997-605	
4	2086-1204/997-605	
5	2086-1205/997-605	
6	2086-1206/997-607	
7	2086-1207/997-607	
8	2086-1208/997-607	
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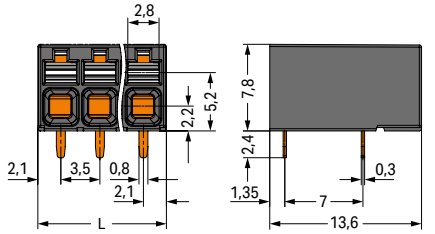
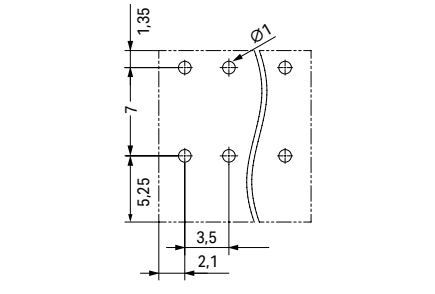
11	2086-1211/997-607	
12	2086-1212/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

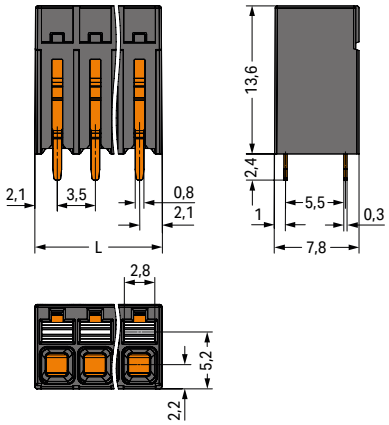
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Suitable for automated assembly ▸ Color: black

1

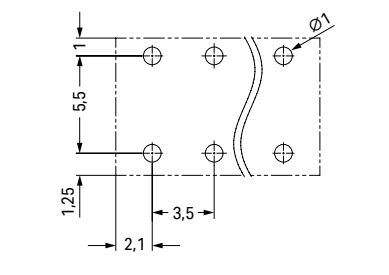
Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

2086-1105/997-605

Pole No.	Item number	PU
2	2086-1102/997-604	
3	2086-1103/997-605	
4	2086-1104/997-605	
5	2086-1105/997-605	
6	2086-1106/997-607	
7	2086-1107/997-607	
8	2086-1108/997-607	
9	2086-1109/997-607	
10	2086-1110/997-607	
11	2086-1111/997-607	
12	2086-1112/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

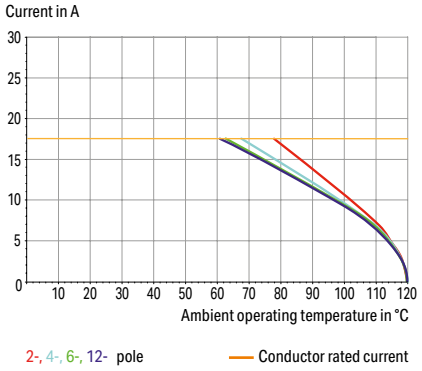
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Suitable for automated assembly ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data

Pin spacing	3.5 mm / 0.138 inch		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data

Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data

Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data

Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements

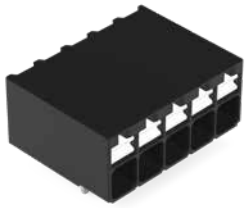
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

THR PCB terminal block ▸ 2086 Series

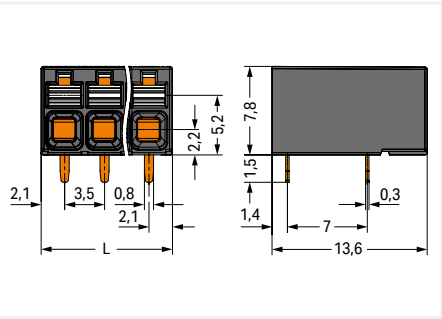
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Suitable for automated assembly ▸ Color: black

Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 0 °

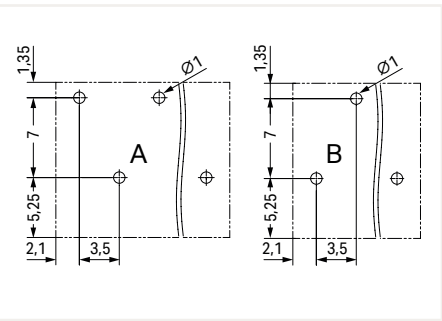


2086-1225/300-000/997-605

Pole No.	Item number	PU
2	2086-1222/300-000/997-604	
3	2086-1223/300-000/997-605	
4	2086-1224/300-000/997-605	
5	2086-1225/300-000/997-605	
6	2086-1226/300-000/997-607	
7	2086-1227/300-000/997-607	
8	2086-1228/300-000/997-607	
9	2086-1229/300-000/997-607	
10	2086-1230/300-000/997-607	
11	2086-1231/300-000/997-607	
12	2086-1232/300-000/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm

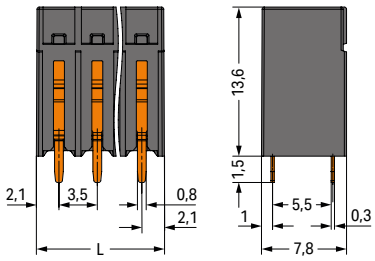


A = even number of poles
B = odd number of poles

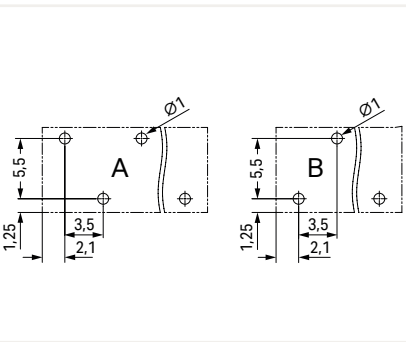
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-1125/300-000/997-605

Pole No.	Item number	PU
2	2086-1122/300-000/997-604	
3	2086-1123/300-000/997-605	
4	2086-1124/300-000/997-605	
5	2086-1125/300-000/997-605	
6	2086-1126/300-000/997-607	
7	2086-1127/300-000/997-607	
8	2086-1128/300-000/997-607	
9	2086-1129/300-000/997-607	
10	2086-1130/300-000/997-607	
11	2086-1131/300-000/997-607	
12	2086-1132/300-000/997-607	

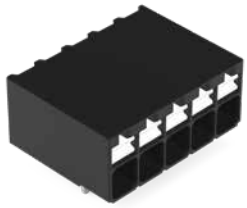


L = (pole no. – 1) x pin spacing + 4.2 mm



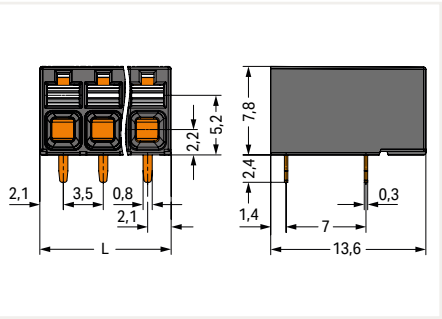
A = even number of poles
B = odd number of poles

Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 0 °

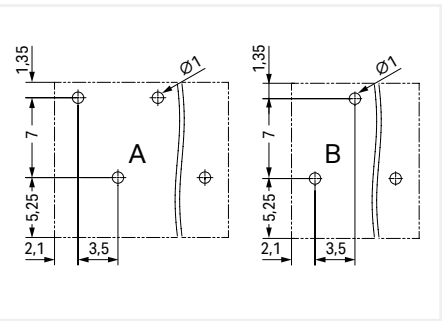


2086-1225/997-605

Pole No.	Item number	PU
2	2086-1222/997-604	
3	2086-1223/997-605	
4	2086-1224/997-605	
5	2086-1225/997-605	
6	2086-1226/997-607	
7	2086-1227/997-607	
8	2086-1228/997-607	
9	2086-1229/997-607	
10	2086-1230/997-607	
11	2086-1231/997-607	
12	2086-1232/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

THR PCB terminal block ▸ 2086 Series

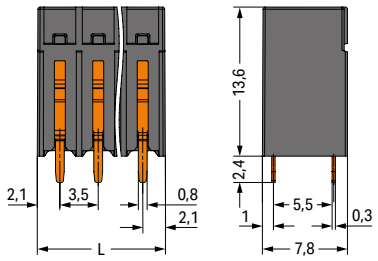
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Suitable for automated assembly ▸ Color: black

1

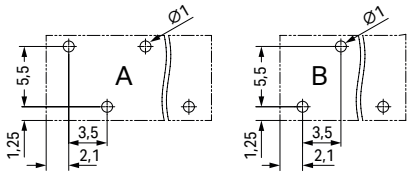
Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

2086-1125/997-605

Polzahl	Bestellnummer	VPE
2	2086-1122/997-604	
3	2086-1123/997-605	
4	2086-1124/997-605	
5	2086-1125/997-605	
6	2086-1126/997-607	
7	2086-1127/997-607	
8	2086-1128/997-607	
9	2086-1129/997-607	
10	2086-1130/997-607	
11	2086-1131/997-607	
12	2086-1132/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

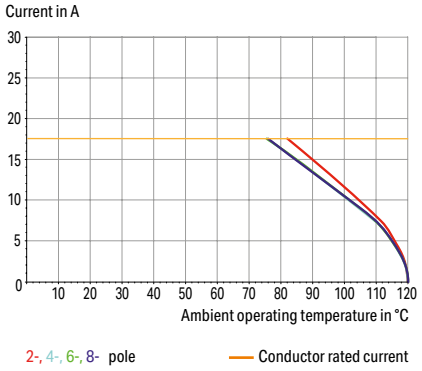
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Suitable for automated assembly ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	**5 mm / 0.138 inch**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

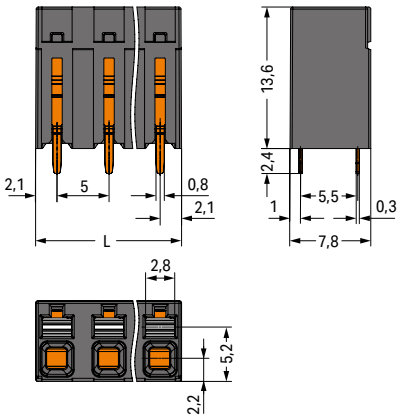
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (in-line) ▸ Suitable for automated assembly ▸ Color: black

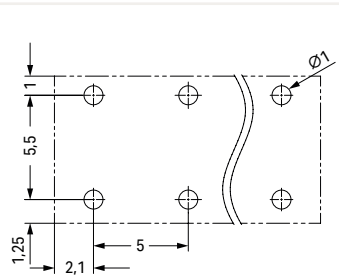
Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

2086-3105/997-607

Pole No.	Item number	PU
2	2086-3102/997-604	
3	2086-3103/997-605	
4	2086-3104/997-605	
5	2086-3105/997-607	
6	2086-3106/997-607	
7	2086-3107/997-607	
8	2086-3108/997-607	



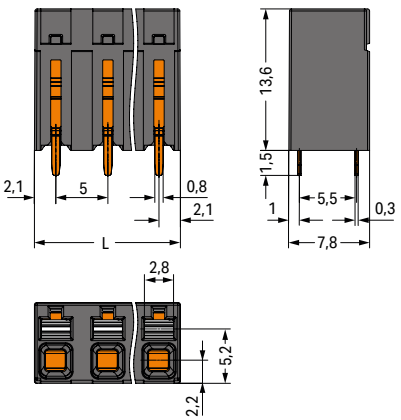
L = (pole no. – 1) x pin spacing + 4.2 mm



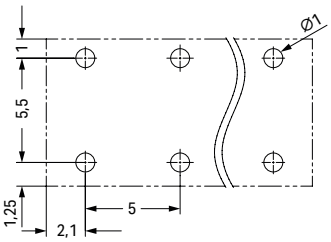
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-3105/300-000/997-607

Pole No.	Item number	PU
2	2086-3102/300-000/997-604	
3	2086-3103/300-000/997-605	
4	2086-3104/300-000/997-605	
5	2086-3105/300-000/997-607	
6	2086-3106/300-000/997-607	
7	2086-3107/300-000/997-607	
8	2086-3108/300-000/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

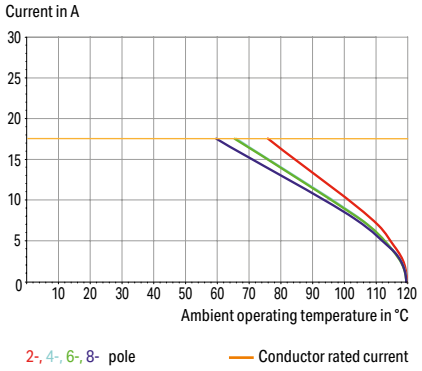
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ Suitable for automated assembly ▸ Color: black

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Electrical Data			
Pin spacing	**5 mm / 0.138 inch**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	630 V	1000 V
Rated surge voltage	6 kV	6 kV	6 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

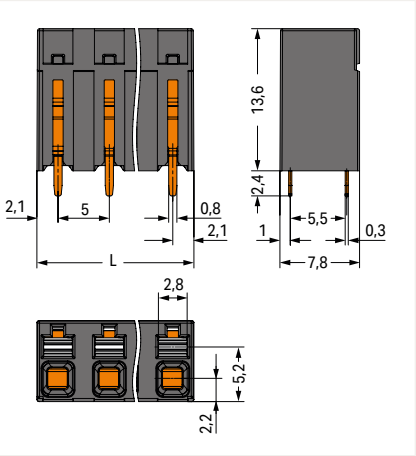
THR PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Solder pin arrangement: over the entire terminal strip (staggered) ▸ ▸ Suitable for automated assembly ▸ Color: black

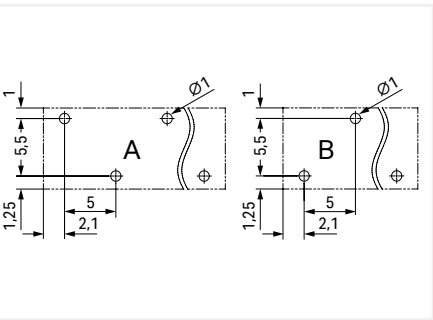
Solder pin length: 2.4 mm ▸ Conductor connection direction to PCB 90 °

2086-3125/997-607

Pole No.	Item number	PU
2	2086-3122/997-604	
3	2086-3123/997-605	
4	2086-3124/997-605	
5	2086-3125/997-607	
6	2086-3126/997-607	
7	2086-3127/997-607	
8	2086-3128/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm

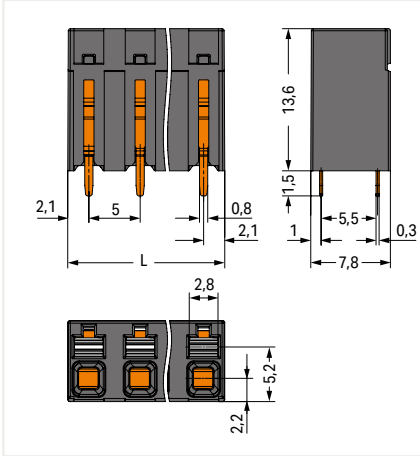


A = even number of poles
B = odd number of poles

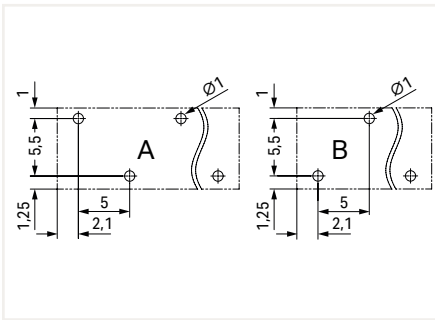
Solder pin length: 1.5 mm ▸ Conductor connection direction to PCB 90 °

2086-3125/300-000/997-607

Pole No.	Item number	PU
2	2086-3122/300-000/997-604	
3	2086-3123/300-000/997-605	
4	2086-3124/300-000/997-605	
5	2086-3125/300-000/997-607	
6	2086-3126/300-000/997-607	
7	2086-3127/300-000/997-607	
8	2086-3128/300-000/997-607	



L = (pole no. – 1) x pin spacing + 4.2 mm



A = even number of poles
B = odd number of poles

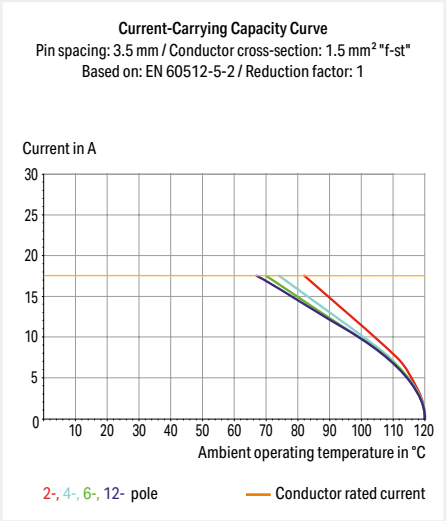
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

SMD PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Suitable for automated assembly ▸ Color: white

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB



Electrical Data			
Pin spacing	3.5 mm / 0.138 inch		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

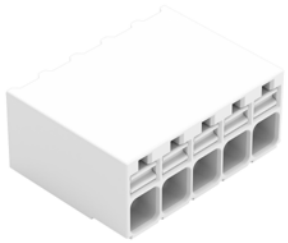
Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

SMD PCB terminal block ▸ 2086 Series

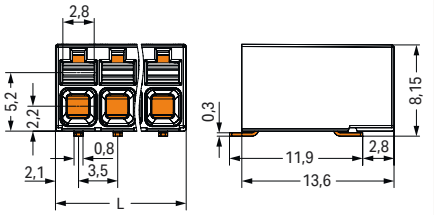
Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 3.5 mm / 0.138 inch ▸ Suitable for automated assembly ▸ Color: white

Conductor connection direction to PCB 0 °

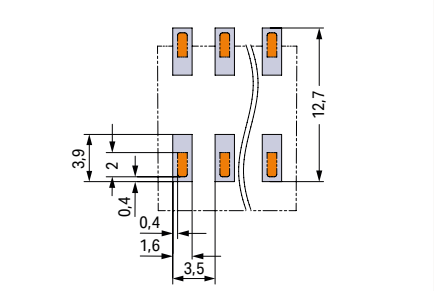


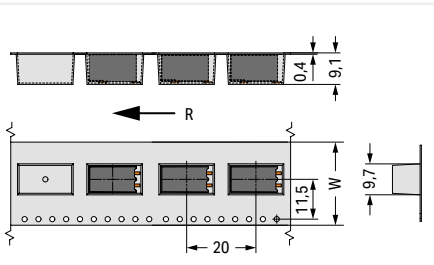
2086-1205/700-650/997-605

Pole No.	Tape width	Item number	PU
2	24 mm	2086-1202/700-650/997-604	515
3	32 mm	2086-1203/700-650/997-605	515
4	32 mm	2086-1204/700-650/997-605	515
5	32 mm	2086-1205/700-650/997-605	515
6	56 mm	2086-1206/700-650/997-607	515
7	56 mm	2086-1207/700-650/997-607	515
8	56 mm	2086-1208/700-650/997-607	515
9	56 mm	2086-1209/700-650/997-607	515
10	56 mm	2086-1210/700-650/997-607	515
11	56 mm	2086-1211/700-650/997-607	515
12	56 mm	2086-1212/700-650/997-607	515



L = (pole no. – 1) x pin spacing + 4.2 mm



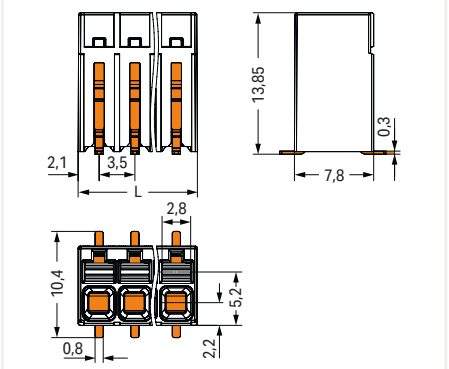


W = Tape width
R = Feed direction

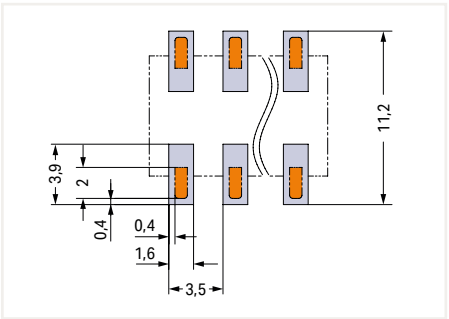
Conductor connection direction to PCB 90 °

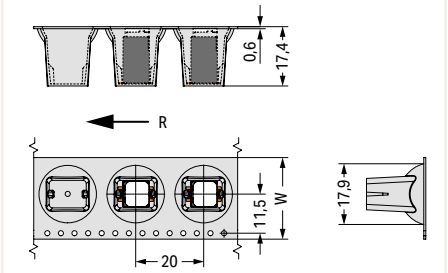
2086-1105/700-650/997-605

Pole No.	Tape width	Item number	PU
2	24 mm	2086-1102/700-650/997-604	270
3	32 mm	2086-1103/700-650/997-605	270
4	32 mm	2086-1104/700-650/997-605	270
5	32 mm	2086-1105/700-650/997-605	270
6	56 mm	2086-1106/700-650/997-607	270
7	56 mm	2086-1107/700-650/997-607	270
8	56 mm	2086-1108/700-650/997-607	270
9	56 mm	2086-1109/700-650/997-607	270
10	56 mm	2086-1110/700-650/997-607	270
11	56 mm	2086-1111/700-650/997-607	270
12	56 mm	2086-1112/700-650/997-607	270



L = (pole no. – 1) x pin spacing + 4.2 mm





W = Tape width
R = Feed direction

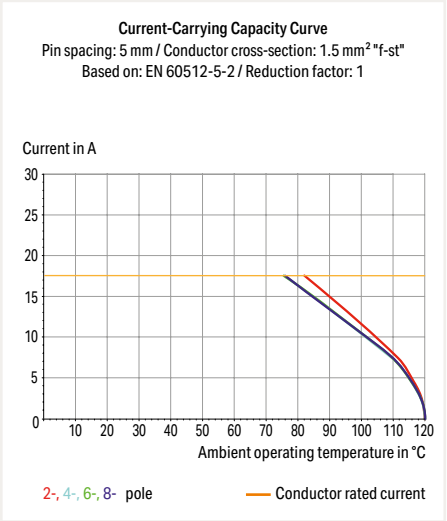
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

SMD PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Suitable for automated assembly ▸ Color: white

1

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules from 0.2 to 1.5 mm²
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB



Electrical Data			
Pin spacing	**5 mm / 0.138 inch**		
Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A
Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A
Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Solid conductor	0,14 … 1,5 mm² / 28 … 16 AWG (10 A per UL/CSA)
Fine-stranded conductor	0,14 … 1,5 mm² / 26 … 14 AWG (14 A per UL/CSA))
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²

Material Data	
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin-plated

Mechanical Data	
Solder pin arrangement	Over the entire terminal strip (in-line)
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +105 °C

For approvals and corresponding ratings, visit www.wago.com

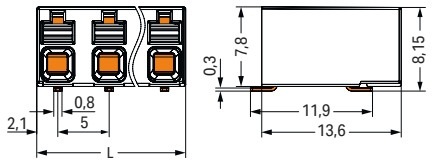
SMD PCB terminal block ▸ 2086 Series

Push-in CAGE CLAMP® ▸ Actuation type: Push-button ▸ 1.5 mm² ▸ Pin spacing: 5 mm / 0.197 inch ▸ Suitable for automated assembly ▸ Color: white

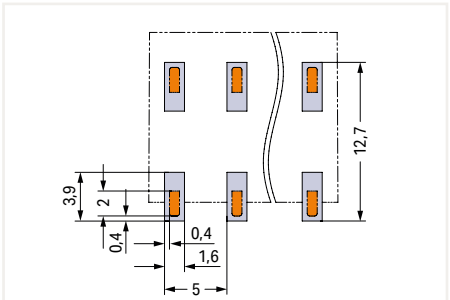
Conductor connection direction to PCB 0 °

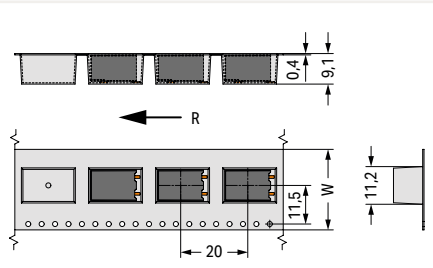
2086-3205/700-650/997-607

Pole No.	Tape width	Item number	PU
2	24 mm	2086-3202/700-650/997-604	515
3	32 mm	2086-3203/700-650/997-605	515
4	32 mm	2086-3204/700-650/997-605	515
5	56 mm	2086-3205/700-650/997-607	515
6	56 mm	2086-3206/700-650/997-607	515
7	56 mm	2086-3207/700-650/997-607	515
8	56 mm	2086-3208/700-650/997-607	515



L = (pole no. – 1) x pin spacing + 4.2 mm



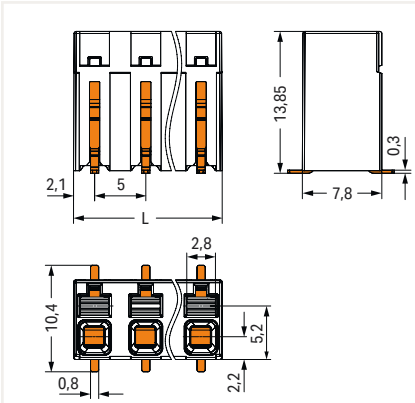


W = Tape width
R = Feed direction

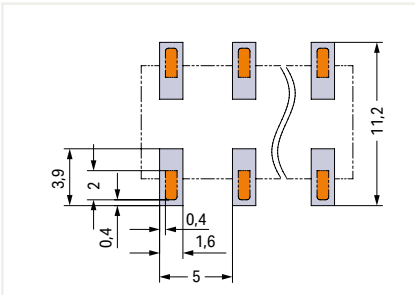
Conductor connection direction to PCB 90 °

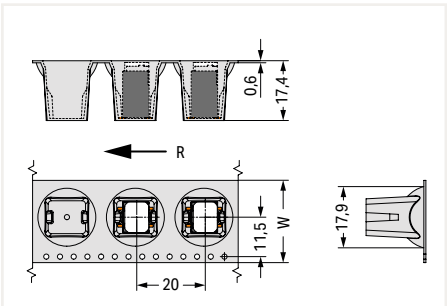
2086-3105/700-650/997-607

Pole No.	Tape width	Item number	PU
2	24 mm	2086-3102/700-650/997-604	270
3	32 mm	2086-3103/700-650/997-605	270
4	32 mm	2086-3104/700-650/997-605	270
5	56 mm	2086-3105/700-650/997-607	270
6	56 mm	2086-3106/700-650/997-607	270
7	56 mm	2086-3107/700-650/997-607	270
8	56 mm	2086-3108/700-650/997-607	270



L = (pole no. – 1) x pin spacing + 4.2 mm





W = Tape width
R = Feed direction

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

1-conductor female connector ▸ *MCS* MINI ▸ 2734 Series

Pin spacing: 3.5 mm / 0.138 inch ▸ Actuation type: Lever ▸ Push-in CAGE CLAMP® ▸ Color: light gray

1

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Just 9.95 mm tall
- Test slot 90° to conductor entry
- 100% protected against mismating
- Coding option available

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	160 V	160 V	320 V	
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV	
Rated current	10 A	10 A	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			
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 … 10 mm / 0.35 … 0.39 inch
Solid conductor	0.14 … 1.5 mm² / 26 … 14 AWG
Solid conductor; push-in termination	0.34 … 1.5 mm² / 22 … 14 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 26 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.14 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.14 … 1 mm²

Material Data	
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Tin-plated

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

For approvals and corresponding ratings, visit www.wago.com

1-conductor female connector ▸ *MCS* MINI ▸ 2734 Series

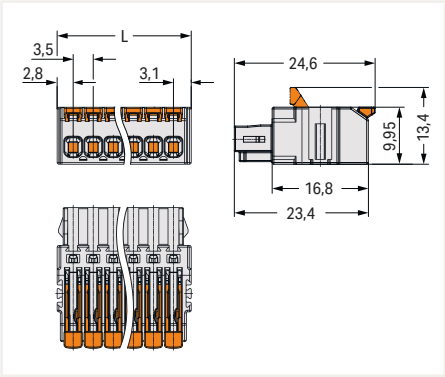
Pin spacing: 3.5 mm / 0.138 inch ▸ Actuation type: Lever ▸ Push-in CAGE CLAMP® ▸ Color: light gray

1

Locking of plug-in connection: Without

2734-1106/327-000

Pole No.	Item No.	PU
2	2734-1102/327-000	200
3	2734-1103/327-000	200
4	2734-1104/327-000	100
5	2734-1105/327-000	100
6	2734-1106/327-000	100
7	2734-1107/327-000	100
8	2734-1108/327-000	50
10	2734-1110/327-000	50
12	2734-1112/327-000	50
16	2734-1116/327-000	25

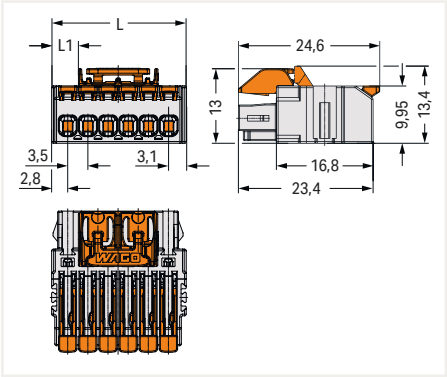


L = (pol no. x pin spacing) + 2.4 mm

Locking of plug-in connection: Center locking lever

2734-1106/328-000

Pole No.	Item No.	PU
4	2734-1104/328-000	50
5	2734-1105/328-000	50
6	2734-1106/328-000	50
7	2734-1107/328-000	50
8	2734-1108/328-000	50



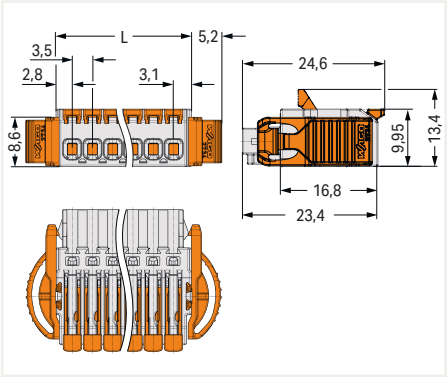
L = (pol no. x pin spacing) + 2.4 mm

pol no. 4: L1 = 1.15 mm
pol no. 5 + 6: L1 = 4.65 mm
pol no. 7 + 8: L1 = 8.15 mm

Locking of plug-in connection: Lateral locking lever

2734-1106/038-000

Pole No.	Item No.	PU
2	2734-1102/038-000	
3	2734-1103/038-000	
4	2734-1104/038-000	
5	2734-1105/038-000	
6	2734-1106/038-000	
7	2734-1107/038-000	
8	2734-1108/038-000	
10	2734-1110/038-000	
12	2734-1112/038-000	
16	2734-1116/038-000	



L = (pol no. x pin spacing) + 2.4 mm

Accessories; for all products on this page

Jumper; Pole No.: 2

Color	Item No.	PU
light gray	2734-402	25

Coding pin carrier with 5 coding pins

Color	Item No.	PU
orange	2734-505	25

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Variants:
- Other pole numbers
- Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/

1-conductor female connector ▶ *MCS* MIDI ▶ 2721 Series

Pin spacing: 5 mm / 0.197 inches ▶ Actuation type: Lever ▶ Push-in CAGE CLAMP® ▶ Color: light gray

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Just 11.5 mm tall
- Test slot 0° and 90° to conductor entry
- 100% protected against mismating
- Coding option available

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	320 V	320 V	630 V	
Rated surge voltage	4 kV	4 kV	4 kV	
Rated current	16 A	16 A	16 A	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 11 mm / 0.39 … 0.43 inches
Solid conductor	0.2 … 2.5 mm² / 24 … 12 AWG
Fine-stranded conductor	0.2 … 2.5 mm² / 24 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²

Material Data	
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Tin

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

For approvals and corresponding ratings, visit www.wago.com

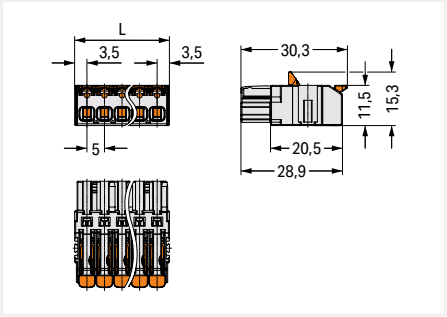
1-conductor female connector ▶ *MCS* MIDI ▶ 2721 Series

Pin spacing: 5 mm / 0.197 inches ▶ Actuation type: Lever ▶ Push-in CAGE CLAMP® ▶ Color: light gray

Locking of plug-in connection: Without

2721-1106/326-000

Pole No.	Item No.	PU
2	2721-1102/326-000	
3	2721-1103/326-000	
4	2721-1104/326-000	
5	2721-1105/326-000	
6	2721-1106/326-000	
8	2721-1108/326-000	
10	2721-1110/326-000	
12	2721-1112/326-000	
16	2721-1116/326-000	

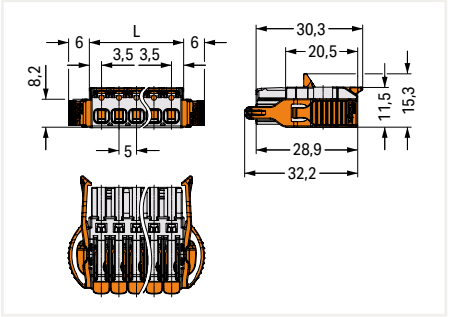


L = (pole no. x pin spacing) + 2 mm
2-pole female connectors – one latch only

Locking of plug-in connection: Lateral locking lever

2721-1106/-037000

Pole No.	Item No.	PU
2	2721-1102/037-000	
3	2721-1103/037-000	
4	2721-1104/037-000	
5	2721-1105/037-000	
6	2721-1106/037-000	
8	2721-1108/037-000	
10	2721-1110/037-000	
12	2721-1112/037-000	
16	2721-1116/037-000	



L = (pole no. x pin spacing) + 2 mm
2-pole female connectors – one latch only

Pole numbers 2-6 and 16 available from April 2023
Pole numbers 8, 10 and 12 available from November 2023

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Variants:
- Gold-plated or partially gold-plated contact surfaces
- Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

1-conductor female connector ▶ *MCS* MIDI Classic ▶ 2231 Series

Pin spacing: 5 mm / 0.197 inches ▶ Actuation type: Lever ▶ Push-in CAGE CLAMP® ▶ Color: gray

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Just 11.5 mm tall
- Test slot 0° and 90° to conductor entry
- Coding option available

Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	320 V	320 V	630 V	
Rated surge voltage	4 kV	4 kV	4 kV	
Rated current	16 A	16 A	16 A	

Connection Data	
Connection technology	Push-in CAGE CLAMP®
Strip length	10 … 11 mm / 0.39 … 0.43 inches
Solid conductor	0.2 … 2.5 mm² / 24 … 12 AWG
Fine-stranded conductor	0.2 … 2.5 mm² / 24 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²

Material Data	
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Tin

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

For approvals and corresponding ratings, visit www.wago.com

1-conductor female connector ▶ *MCS* MIDI Classic ▶ 2231 Series

Pin spacing: 5 mm / 0.197 inches ▶ Actuation type: Lever ▶ Push-in CAGE CLAMP® ▶ Color: gray

Locking of plug-in connection: Without

2231-1106/327-000

Pole No.	Item No.	PU
2	2231-1102/327-000	
3	2231-1103/327-000	
4	2231-1104/327-000	
5	2231-1105/327-000	
6	2231-1106/327-000	
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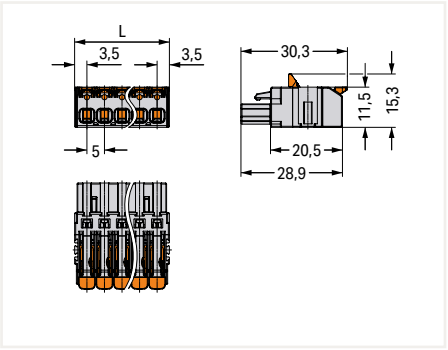
10	2231-1110/327-000	
12	2231-1112/327-000	
16	2231-1116/327-000	



L = (pole no. x pin spacing) + 2 mm
2- to 3-pole female connectors – one latch only

Locking of plug-in connection: Lateral locking lever

2231-1106/038-000

Pole No.	Item No.	PU
2	2231-1102/038-000	
3	2231-1103/038-000	
4	2231-1104/038-000	
5	2231-1105/038-000	
6	2231-1106/038-000	
8	2231-1108/038-000	
10	2231-1110/038-000	
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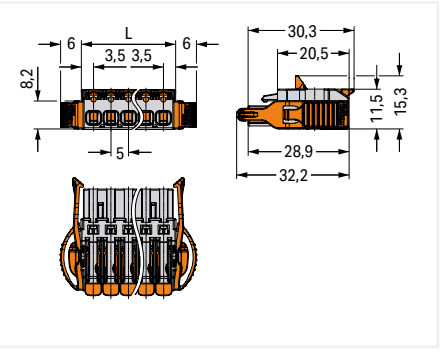
16	2231-1116/038-000	



L = (pole no. x pin spacing) + 2 mm
2- to 3-pole female connectors – one latch only

9

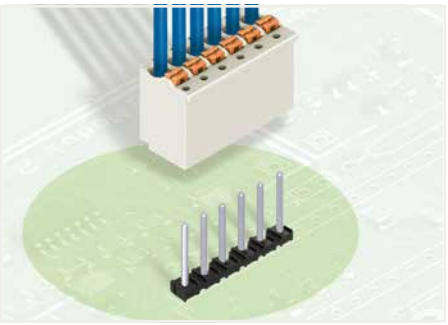
Pole numbers 2-6 and 16 available from April 2023
Pole numbers 8, 10 and 12 available from November 2023

PU = packaging unit; SPU = subpackaging unit; Dimensions in mm

Variants:
- Gold-plated or partially gold-plated contact surfaces
- Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

THT Solder pin strip ▸ *picoMAX*® 3.5 ▸ 2091 Series

Pin spacing: 3.5 mm (0.138 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm

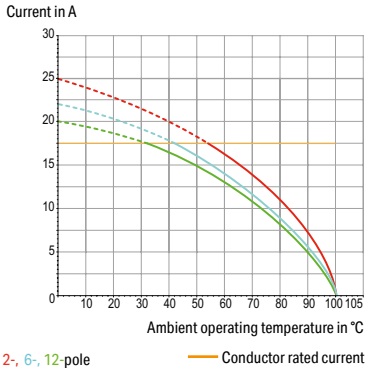


- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4

Derating Curve

1-conductor female connector (2091-1122) with
THT-solder pin strip (2091-1702)
Pin spacing: 3.5 mm / Conductor cross-section 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	160 V	160 V	320 V	
Rated impulse voltage	2.5 kV	2.5 kV	2.5 kV	
Rated current	10 A	10 A	10 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	3.6 mm
Solder pin diameter	1 mm
Drilled hole diameter (tolerance)	$1.2^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

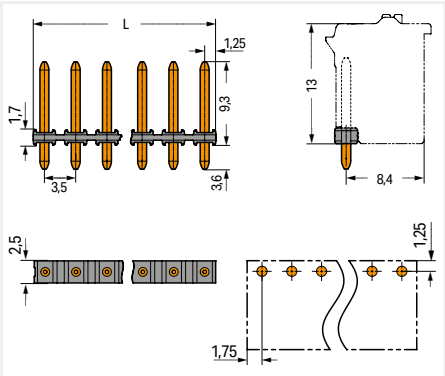
THT Solder pin strip ▸ *picoMAX*® 3.5 ▸ 2091 Series

Pin spacing: 3.5 mm (0.138 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm

Mating direction to the PCB: 90°

2091-1706

Pole No.	Item No.	PU
2	2091-1702	500
3	2091-1703	500
4	2091-1704	500
5	2091-1705	500
6	2091-1706	500
7	2091-1707	500
8	2091-1708	500
10	2091-1710	400
12	2091-1712	400

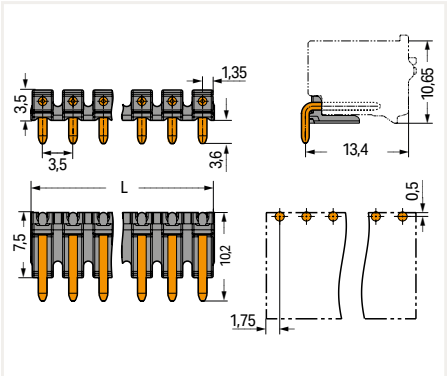


L = (pole no. – 1) x pin spacing + 2.5 mm

Mating direction to the PCB: 0°

2091-1726

Pole No.	Item No.	PU
2	2091-1722	400
3	2091-1723	400
4	2091-1724	400
5	2091-1725	400
6	2091-1726	400
7	2091-1727	400
8	2091-1728	400
10	2091-1730	300
12	2091-1732	300



L = (pole no. – 1) x pin spacing + 2.7 mm

4

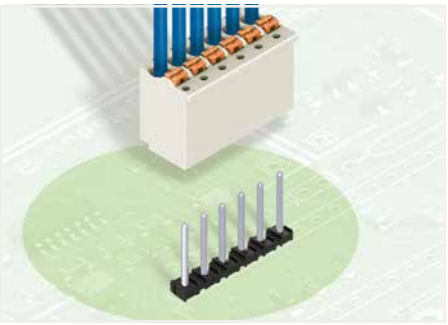
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole numbers

THR Solder pin strip ▸ *picoMAX*® 3.5 ▸ 2091 Series

Pin spacing: 3.5 mm (0.138 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm

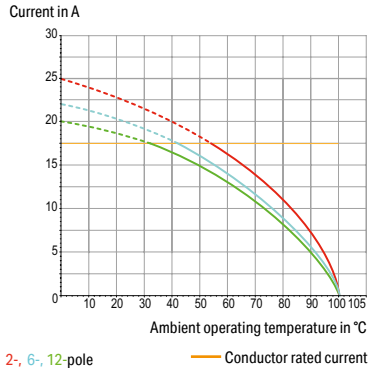


- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4

Derating Curve

1-conductor female connector (2091-1122) with
THR-solder pin strip (2091-1702/200-000)
Pin spacing: 3.5 mm / Conductor cross-section 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	160 V	160 V	320 V	
Rated impulse voltage	2.5 kV	2.5 kV	2.5 kV	
Rated current	10 A	10 A	10 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	2.4 mm
Solder pin diameter	1 mm
Plated through-hole diameter (THR)	$1.2^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

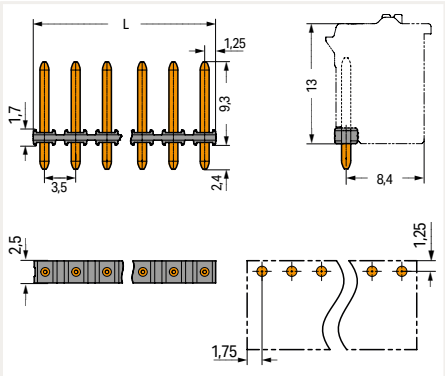
THR Solder pin strip ▸ *picoMAX*® 3.5 ▸ 2091 Series

Pin spacing: 3.5 mm (0.138 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm

Mating direction to the PCB: 90°

2091-1706/200-000

Pole No.	Item No.	PU
2	2091-1702/200-000	500
3	2091-1703/200-000	500
4	2091-1704/200-000	500
5	2091-1705/200-000	500
6	2091-1706/200-000	500
7	2091-1707/200-000	500
8	2091-1708/200-000	500
10	2091-1710/200-000	400
12	2091-1712/200-000	400

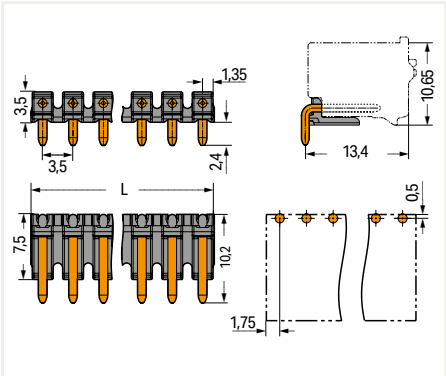


L = (pole no. – 1) x pin spacing + 2.5 mm

Mating direction to the PCB: 0°

2091-1726/200-000

Pole No.	Item No.	PU
2	2091-1722/200-000	400
3	2091-1723/200-000	400
4	2091-1724/200-000	400
5	2091-1725/200-000	400
6	2091-1726/200-000	400
7	2091-1727/200-000	400
8	2091-1728/200-000	400
10	2091-1730/200-000	300
12	2091-1732/200-000	300



L = (pole no. – 1) x pin spacing + 2.7 mm

4

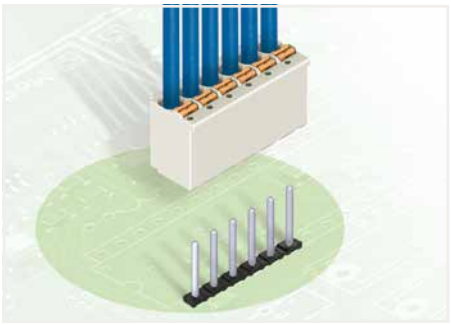
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole numbers

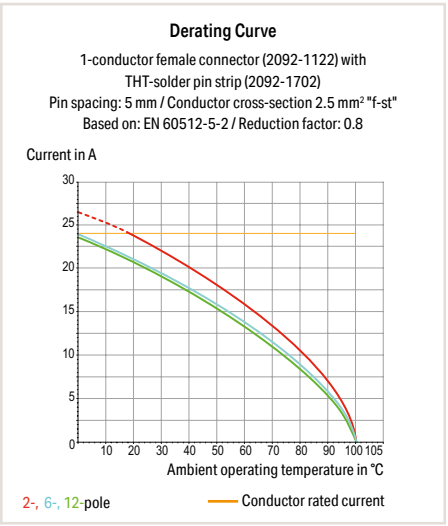
THT Solder pin strip ▸ *picoMAX*® 5.0 ▸ 2092 Series

Pin spacing: 5 mm (0.197 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm



- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	320 V	630 V	
Rated impulse voltage	4 kV	4 kV	4 kV	
Rated current	16 A	16 A	16 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	3.6 mm
Solder pin diameter	1.4 mm
Drilled hole diameter (tolerance)	$1.6^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

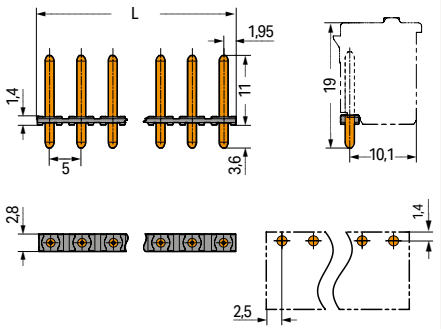
THT Solder pin strip ▸ *picoMAX*® 5.0 ▸ 2092 Series

Pin spacing: 5 mm (0.197 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm

Mating direction to the PCB: 90°

2092-1706

Pole No.	Item No.	PU
2	2092-1702	400
3	2092-1703	400
4	2092-1704	400
5	2092-1705	400
6	2092-1706	400
7	2092-1707	400
8	2092-1708	400
9	2092-1709	300
10	2092-1710	300
12	2092-1712	300

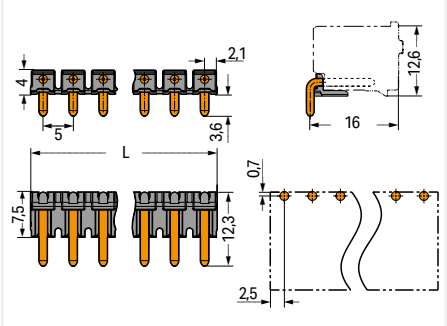


L = (pole no. – 1) x pin spacing + 3.9 mm

Mating direction to the PCB: 0°

2092-1726

Pole No.	Item No.	PU
2	2092-1722	300
3	2092-1723	300
4	2092-1724	300
5	2092-1725	300
6	2092-1726	300
7	2092-1727	300
8	2092-1728	300
9	2092-1729	300
10	2092-1730	200
12	2092-1732	200



L = (pole no. – 1) x pin spacing + 4.2 mm

4

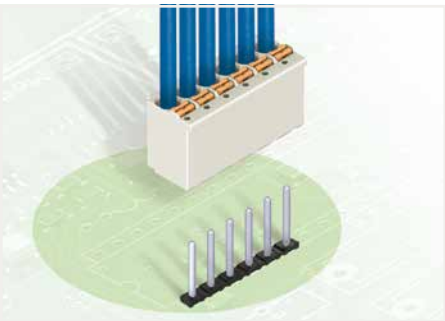
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole numbers

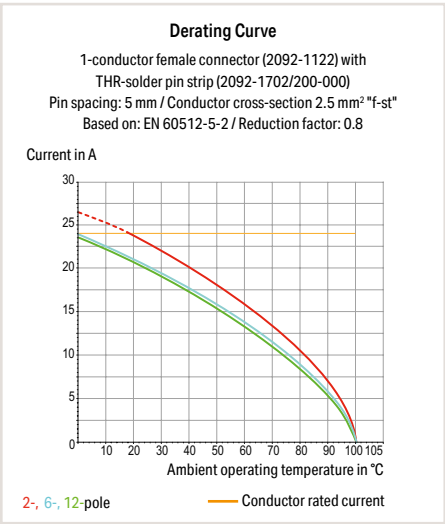
THR Solder pin strip ▸ *picoMAX*® 5.0 ▸ 2092 Series

Pin spacing: 5 mm (0.197 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm



- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	250 V	320 V	630 V	
Rated impulse voltage	4 kV	4 kV	4 kV	
Rated current	16 A	16 A	16 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	2.4 mm
Solder pin diameter	1.4 mm
Plated through-hole diameter (THR)	$1.6^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

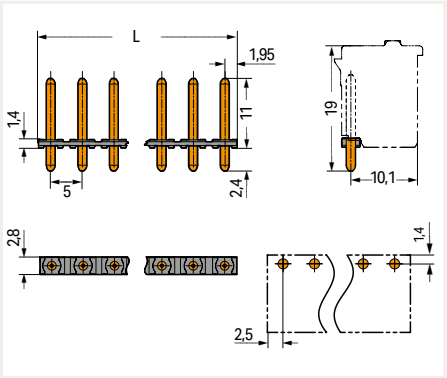
THR Solder pin strip ▸ *picoMAX*® 5.0 ▸ 2092 Series

Pin spacing: 5 mm (0.197 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm

Mating direction to the PCB: 90°

2092-1706/200-000

Pole No.	Item No.	PU
2	2092-1702/200-000	400
3	2092-1703/200-000	400
4	2092-1704/200-000	400
5	2092-1705/200-000	400
6	2092-1706/200-000	400
7	2092-1707/200-000	400
8	2092-1708/200-000	400
9	2092-1709/200-000	300
10	2092-1710/200-000	300
12	2092-1712/200-000	300

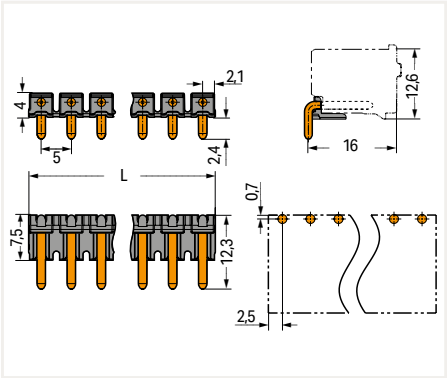


L = (pole no. – 1) x pin spacing + 3.9 mm

Mating direction to the PCB: 0°

2092-1726/200-000

Pole No.	Item No.	PU
2	2092-1722/200-000	300
3	2092-1723/200-000	300
4	2092-1724/200-000	300
5	2092-1725/200-000	300
6	2092-1726/200-000	300
7	2092-1727/200-000	300
8	2092-1728/200-000	300
9	2092-1729/200-000	300
10	2092-1730/200-000	200
12	2092-1732/200-000	200



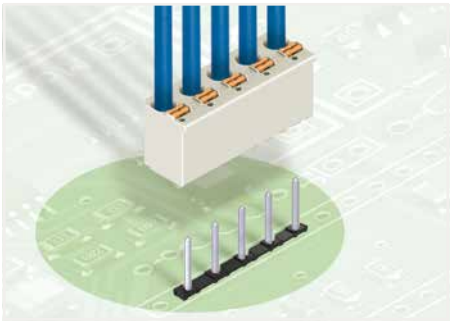
L = (pole no. – 1) x pin spacing + 4.2 mm

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

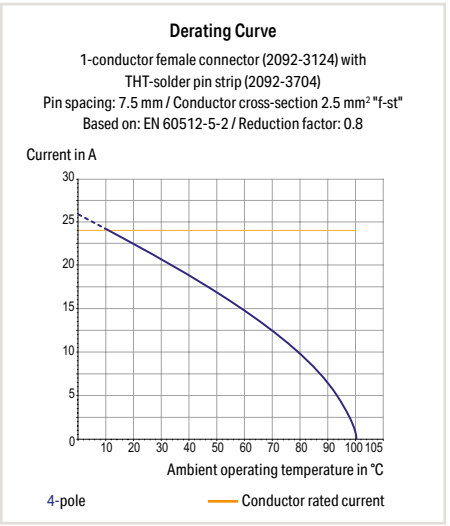
- Other pole numbers

THT Solder pin strip ▸ *picoMAX*® 7.5 ▸ 2092 Series
Pin spacing: 7.5 mm (0.295 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm



- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	630 V	1000 V	
Rated impulse voltage	6 kV	6 kV	6 kV	
Rated current	16 A	16 A	16 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	3.6 mm
Solder pin diameter	1.4 mm
Drilled hole diameter (tolerance)	$1.6^{(+0.1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

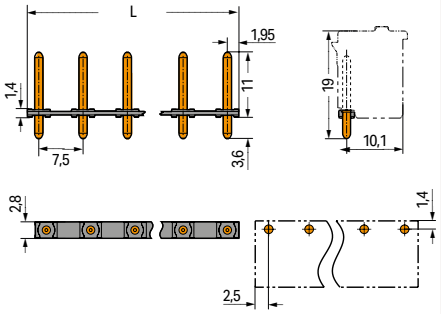
THT Solder pin strip ▸ *picoMAX*® 7.5 ▸ 2092 Series

Pin spacing: 7.5 mm (0.295 inch) ▸ Color: black ▸ Solder pin length: 3.6 mm

Mating direction to the PCB: 90°

2092-3705

Pole No.	Item No.	PU
2	2092-3702	400
3	2092-3703	400
4	2092-3704	400
5	2092-3705	400

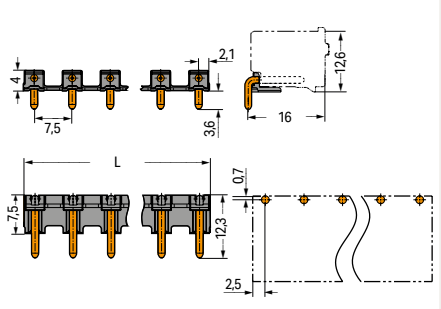


L = (pole no. – 1) x pin spacing + 3.9 mm

Mating direction to the PCB: 0°

2092-3725

Pole No.	Item No.	PU
2	2092-3722	300
3	2092-3723	300
4	2092-3724	300
5	2092-3725	300



L = (pole no. – 1) x pin spacing + 4.2 mm

4

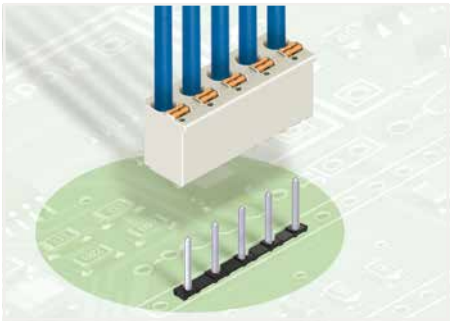
PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole numbers

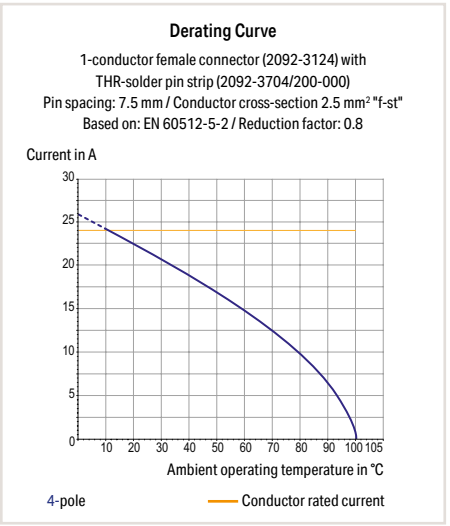
THR Solder pin strip ▸ *picoMAX*® 7.5 ▸ 2092 Series

Pin spacing: 7.5 mm (0.295 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm



- Horizontal or vertical PCB mounting via straight or angled solder pin strips
- Assembly of female connectors without loss of poles, allowing different functions to be divided within solder pin strip

4



Electrical Data				
Ratings per	IEC/EN 60664-1			
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Rated voltage	400 V	630 V	1000 V	
Rated impulse voltage	6 kV	6 kV	6 kV	
Rated current	16 A	16 A	16 A	

Material Data	
Material group	I
Insulating material	Glass-fiber-reinforced polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	Tin-plated

Mechanical Data	
Solder pin length	2.4 mm
Solder pin diameter	1.4 mm
Plated through-hole diameter (THR)	$1.6^{(+0,1)}$ mm

Environmental Requirements	
Limit temperature range	-60 … +100 °C

The ***picoMAX*® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

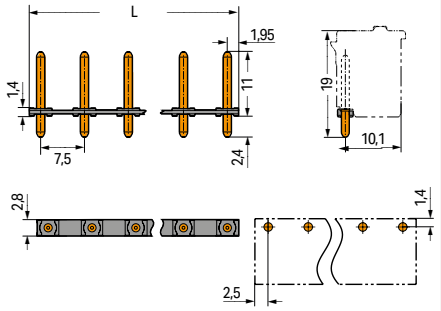
THR Solder pin strip ▸ *picoMAX*® 7.5 ▸ 2092 Series

Pin spacing: 7.5 mm (0.295 inch) ▸ Color: black ▸ Solder pin length: 2.4 mm

Mating direction to the PCB: 90°

2092-3705/200-000

Pole No.	Item No.	PU
2	2092-3702/200-000	400
3	2092-3703/200-000	400
4	2092-3704/200-000	400
5	2092-3705/200-000	400

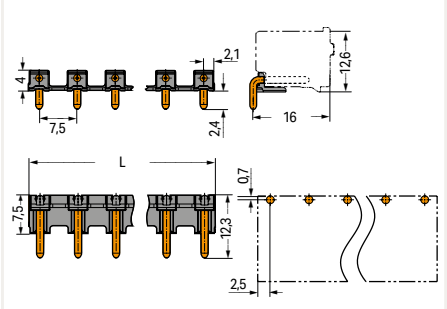


L = (pole no. – 1) x pin spacing + 3.9 mm

Mating direction to the PCB: 0°

2092-3725/200-000

Pole No.	Item No.	PU
2	2092-3722/200-000	300
3	2092-3723/200-000	300
4	2092-3724/200-000	300
5	2092-3725/200-000	300



L = (pole no. – 1) x pin spacing + 4.2 mm

4

PU = Packaging Unit; SPU = Subpackaging Unit; Dimensions in mm

Other variants can be requested via the WAGO sales department or, if necessary, configured at https://configurator.wago.com/:

- Other pole numbers

WAGO Marking

WAGO Marking

Marking strips
210 Series

Marking strips; for Smart Printer; on reel; not stretchable; plain; 15 mm wide; 20 m reel		
Color	**Item No.**	Pack. Unit
◯ white	**210-742**	1

Item Number Index

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