

Data sheet | Item number: 253-112/000-006

2-conductor PCB terminal strip; 1 solder pin/pole, staggered; 12-pole;
without push-button; Pin spacing 5 mm / 0.197 in

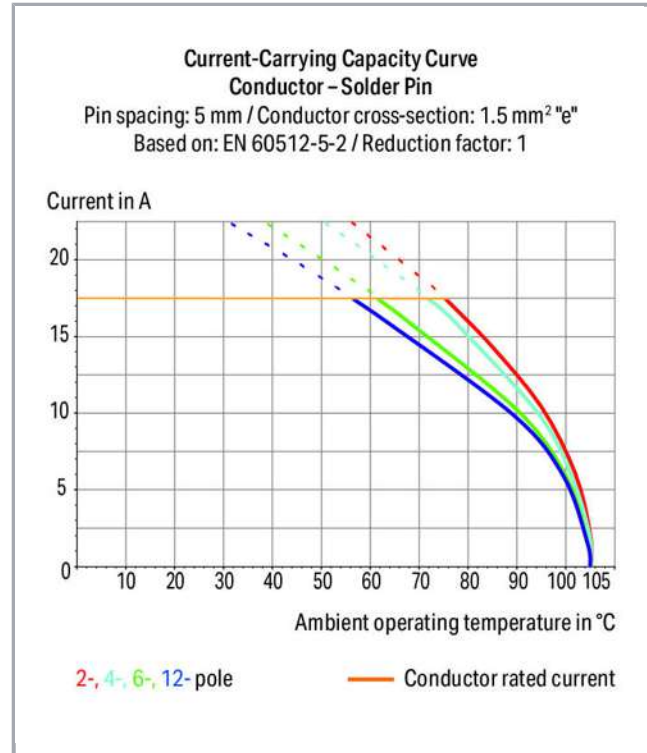
www.wago.com/253-112_000-006



RoHS 
Compliant

[BOMcheck.net](https://www.bomcheck.net)

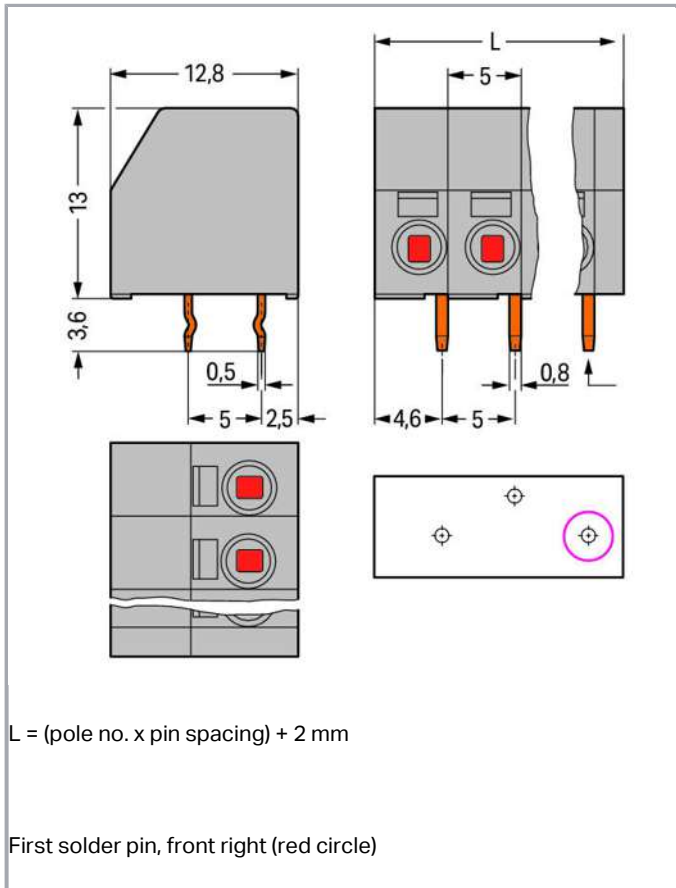
Color: 



Subject to changes. Please also observe the further product documentation!

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Item description

- PCB terminal strips with screwdriver-actuated PUSH WIRE® termination
- Double-conductor connection provides top-entry (vertical) and/or side-entry (horizontal) wiring
- Push-in termination of solid conductors
- Double entries for power supply and potential distribution

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	320 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V

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Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	17.5 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	8 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	8 A
Approvals per	UL 1059

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	8 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	8 A

Connection data

Connection type (1)	PUSH WIRE® connection
Connection technology	PUSH WIRE®
Number of connection points (connection type)	1
Actuation type	Operating tool
Solid conductor	0,5 ... 1,5 mm ² / 20 ... 16 AWG
Strip length	8,5 ... 9,5 mm / 0.33 ... 0.37 inch
Note (strip length)	7 ... 8 mm / 0.28 ... 0.31 inch (for wiring on both sides)
Conductor entry angle to the PCB	0°
No. of poles	12
Connection type (2)	PUSH WIRE® connection
Connection technology 2	PUSH WIRE®
Number of connection points	1
Solid conductor (2)	0,5 ... 1,5 mm ² / 20 ... 16 AWG
Strip length (2)	8,5 ... 9,5 mm / 0.33 ... 0.37 inch
Note (strip length) 2	7 ... 8 mm / 0.28 ... 0.31 inch (for wiring on both sides)
Conductor entry angle to the PCB 2	90°

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Total number of connection points	24
Total number of potentials	12
Number of connection types	2
Number of levels	2

Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	62 mm / 2.441 inch
Height	16,6 mm / 0.654 inch
Height from the surface	13 mm / 0.512 inch
Depth	12,8 mm / 0.504 inch
Solder pin length	3.6 mm
Solder pin dimensions	0,5 x 0,8 mm
Drilled hole diameter (tolerance)	1,1 (+0,1) mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (staggered)
Number of solder pins per potential	1

Material Data

Color	blue
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Weight	1.1 g

Environmental Requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

Packaging type	BOX
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Subject to changes. Please also observe the further product documentation!



GTIN

4017332649551

Counterpart

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 253-112/000-006	URL	Download
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PCB Design

Symbol and Footprint 253-112/000-006	URL	Download
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CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP

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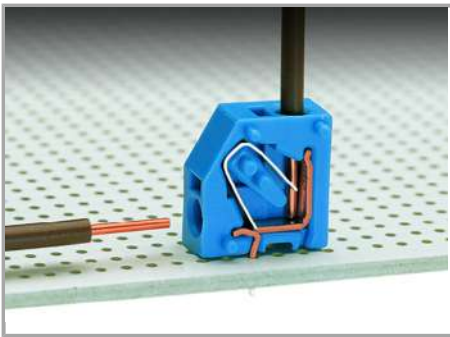
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- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

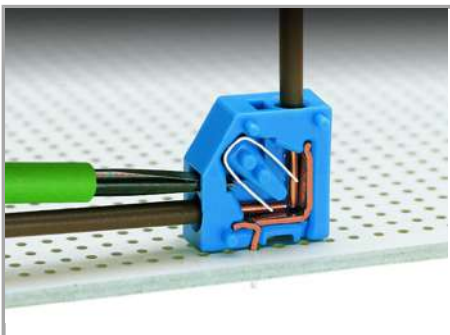
Installation Notes

Conductor termination



Inserting a conductor via push-in termination.

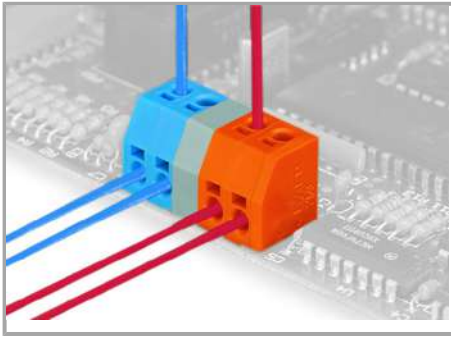
Conductor removal



Removing a conductor via 2.5 mm screwdriver.

Installation

Subject to changes. Please also observe the further product documentation!



Mixed-color terminal strips (with or without spacer) are available upon request.

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