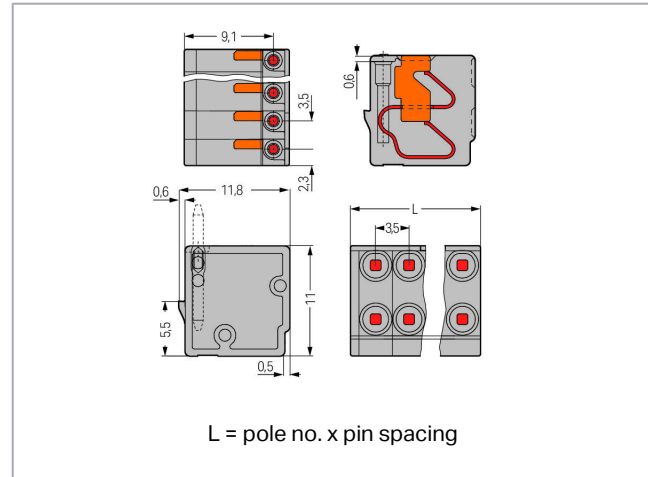


Data sheet | Item number: 252-308

2-conductor female connector; push-button; 0.8 mm Ø; Pin spacing 3.5 mm;
8-pole; 0,50 mm²; gray



www.wago.com/252-308



Item description

- Compact, 2-conductor PCB connectors with push-buttons and PUSH WIRE® connection
- Push-in termination of solid conductors – conductor removal via push-buttons
- Double entries for power supply and distribution
- Quick and easy PCB replacement
- Loop connection is retained, even when unmated
- Group arrangement is possible without losing any poles
- KNX compatible

Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V

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

WAGO Kontakttechnik GmbH & Co. KG
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Rated surge voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	2 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	2 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	2 A

Ratings per CSA

Approvals per	CSA
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Connection data

Connection technology	PUSH WIRE [®]
Actuation type	Push-button
Solid conductor	0.14 ... 0.5 mm ² / 26 ... 20 AWG
Conductor diameter	0.4 ... 0.8 mm
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Conductor connection direction to PCB	0°
Pole No.	8
Total number of connection points	16
Total number of potentials	8
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	28 mm / 1.102 inch
Height	11 mm / 0.433 inch
Depth	10.5 mm / 0.413 inch

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Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mating direction to the PCB	90°

PCB contact

PCB Contact	THT
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Material data

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.008 MJ
Weight	3.6 g

Environmental requirements

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

Packaging type	BOX
Country of origin	PL
GTIN	4055143829557
Customs tariff number	85369010000

Counterpart



Item no.243-131

Board-to-Board Link; 1-pole; silver-colored

www.wago.com/243-131

Compatible products

Marking accessories

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

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Item no.: 210-332/350-202

Marking strips; as a DIN A4 sheet; MARKED; 1-16 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

www.wago.com/210-332/350-202

Item no.: 210-332/350-204

Marking strips; as a DIN A4 sheet; MARKED; 17-32 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

www.wago.com/210-332/350-204

Item no.: 210-332/350-206

Marking strips; as a DIN A4 sheet; MARKED; 33-48 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

www.wago.com/210-332/350-206

tools



Item no.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Additional Information

Technical explanations	3. 4. 2019	pdf 2.0 MB	Download
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CAD/CAE-Data

PCB Design

Symbol and Footprint 252-308	URL	Download
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Cx 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

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



- 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
- 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

CAD data

2D/3D Models 252-308	URL	Download
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CAE data

ZUKEN Portal 252-308	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 252-308	URL	Download
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2-conductor female connector; push-button; 0.8 mm Ø; Pin spacing 3.5 mm; 8-pole;
0,50 mm²; gray

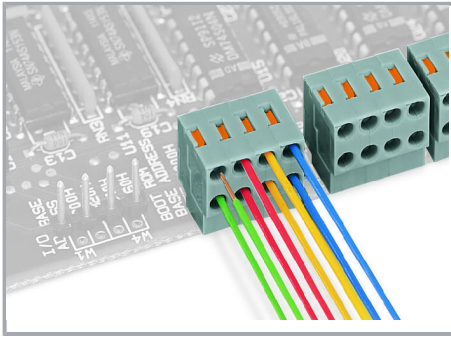
Installation Notes

Conductor termination

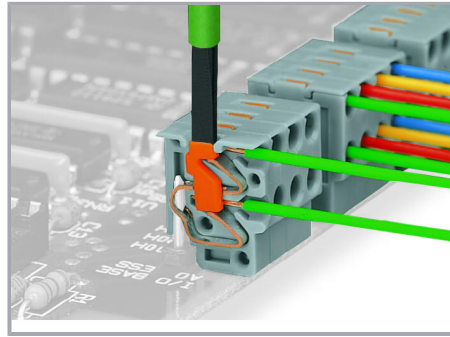
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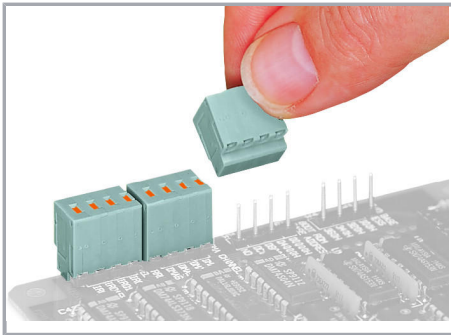


Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Installation



Plugging a compact PCB connector – 252 Series

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