

## Data sheet | Item number: 252-308

2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 8-pole; for individual solder pins; for KNX; 0,50 mm²; gray

[www.wago.com/252-308](http://www.wago.com/252-308)



Dimensions in mm

L = pole no. x pin spacing

### Item description

- Compact, 2-conductor PCB connectors with PUSH WIRE® connection and push-buttons
- Push-in termination of solid conductors – conductor removal via push-buttons

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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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- 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-compliant

## Data

### Notes

Variants:

Other pole numbers

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse 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) $\triangleq$ Overvoltage category III / Pollution degree 2

### UL Approvals

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

## Connection data

Total number of connection points	16
Total number of potentials	8
Number of connection types	1

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Number of levels	1
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## Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-button
Solid conductor	0.14 ... 0.5 mm² / 26 ... 20 AWG
Conductor diameter	0.4 ... 0.8 mm / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Conductor connection direction to PCB	0 °
Number of poles	8

## 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

## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mating direction to the rail-mount terminal block	90 °

## Material data

Note (material data)	Information on material data can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.076 MJ
Weight	3.6 g

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## Environmental requirements

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

PU (SPU)	200 (50) pieces
Packaging type	box
Country of origin VKOrg Germany	PL
GTIN	4055143829557
Customs tariff number VKOrg Germany	8536904000

## Optional accessories


### Marking accessories

Marking strip	
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	<a href="http://www.wago.com/210-332/350-202">www.wago.com/210-332/350-202</a>
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	<a href="http://www.wago.com/210-332/350-206">www.wago.com/210-332/350-206</a>
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	<a href="http://www.wago.com/210-332/350-204">www.wago.com/210-332/350-204</a>

### Male connector

Solder pin	
Item no.: 243-131 Solder pin for 243 Series MICRO PUSH WIRE® PCB connector	<a href="http://www.wago.com/243-131">www.wago.com/243-131</a>

### Tools

Operating tool	
Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-647">www.wago.com/210-647</a>
 Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>

## Downloads

### Documentation

### Additional Information

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Technical Section

2019 Apr 3

pdf  
2.0 MB

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Technical explanations

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## CAD files

### PCB Design

Symbol and Footprint 252-308

URL

Download

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
- 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

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### 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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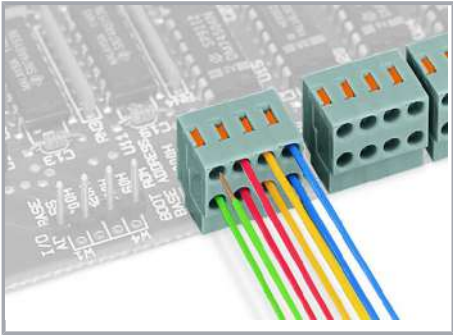
Environmental Product Compliance

Compliance Search

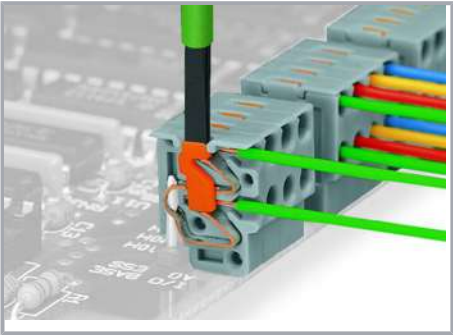
Environmental Product Compliance 252-308	URL	Download
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Installation Notes

Conductor termination



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



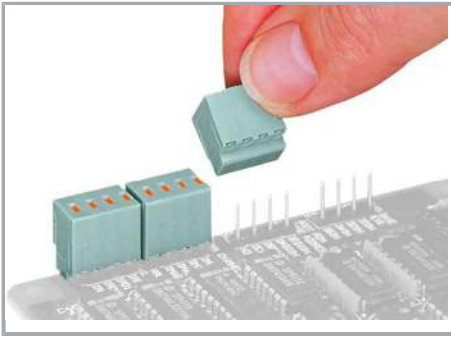
Removing a conductor – 252 Series

Installation

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Plugging a compact PCB connector – 252 Series

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