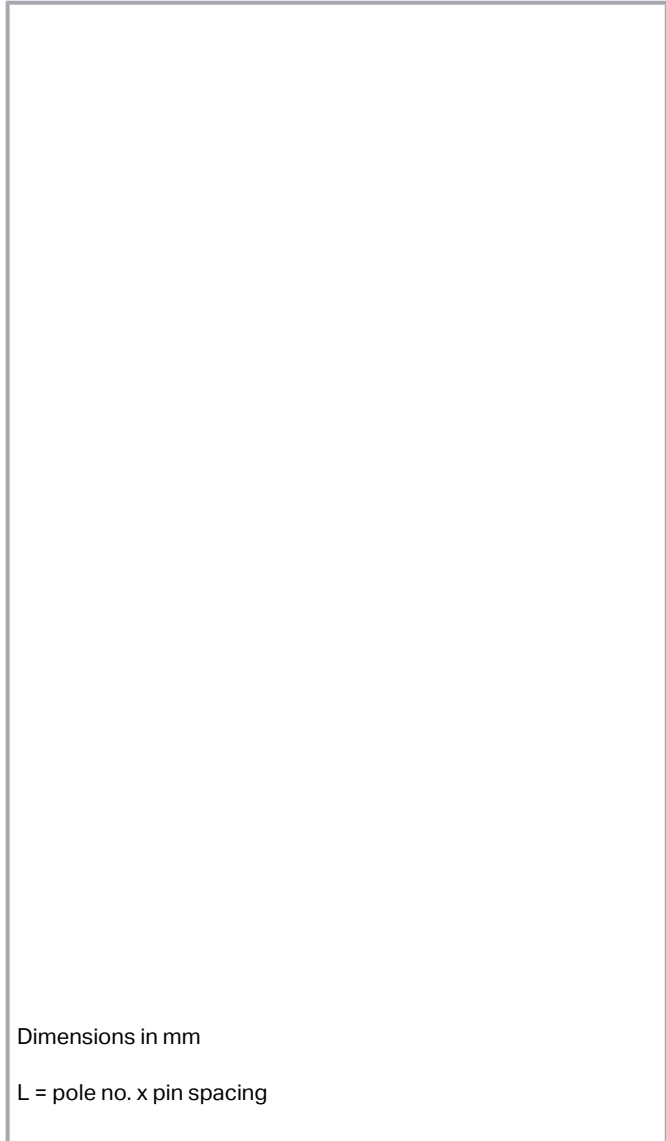


**Data sheet | Item number: 252-102**

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



[www.wago.com/252-102](http://www.wago.com/252-102)



**Item description**

- 2-conductor female connector with PUSH WIRE® connection and push-buttons

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

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- 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

## 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

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	2 A
Legend (ratings)	(III / 2) ≙ 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

## Connection data

Connection points	4
Total number of potentials	2
Number of connection types	1

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Number of levels	1
------------------	---

### Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-button
Solid conductor	0.14 ... 0.5 mm <sup>2</sup> / 26 ... 20 AWG
Conductor diameter	0.4 ... 0.8 mm / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches
Conductor connection direction to PCB	0°
Pole number	2

### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	7 mm / 0.276 inches
Height	11 mm / 0.433 inches
Depth	10.5 mm / 0.413 inches

### Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Plugging without loss of pin spacing	Yes
Mating direction to the rail-mount terminal block	90°

### Material Data

Note (material data)	Information on material specifications 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	0.024 MJ
Weight	0.9 g

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



## Environmental requirements

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

## Commercial data

Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	600 (100) pcs
Packaging type	box
Country of origin	PL
GTIN	4045454039707
Customs tariff number	85366990990

## Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL-7110
	<b>CCA</b> DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7320
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>ENEC</b> DEKRA Certification B.V.	EN 60947	2160584.26

### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

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## Required accessories

### Male connector

Solder pin		
<b>Item no.: 243-131</b>		<a href="http://www.wago.com/243-131">www.wago.com/243-131</a>
THT pin; silver-colored		

## Optional accessories

### Tool

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

### Marking accessories

Marking strip		
<b>Item no.: 210-332/350-202</b>		<a href="http://www.wago.com/210-332/350-202">www.wago.com/210-332/350-202</a>
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		
<b>Item no.: 210-332/350-206</b>		<a href="http://www.wago.com/210-332/350-206">www.wago.com/210-332/350-206</a>
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		
<b>Item no.: 210-332/350-204</b>		<a href="http://www.wago.com/210-332/350-204">www.wago.com/210-332/350-204</a>
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		

## Downloads

### Documentation

#### Additional Information

	2019 年4月3日	pdf 2.0 MB	Download
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## CAD/CAE-Data

### CAE data

EPLAN Data Portal 252-102	URL	Download
ZUKEN Portal 252-102	URL	Download

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

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## PCB Design

Symbol and Footprint 252-102

[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

## CAD data

2D/3D Models 252-102

[URL](#)

[Download](#)

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 252-102

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

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

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## Installation Notes

### Conductor removal



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!