# Data Sheet | Item Number: 252-102

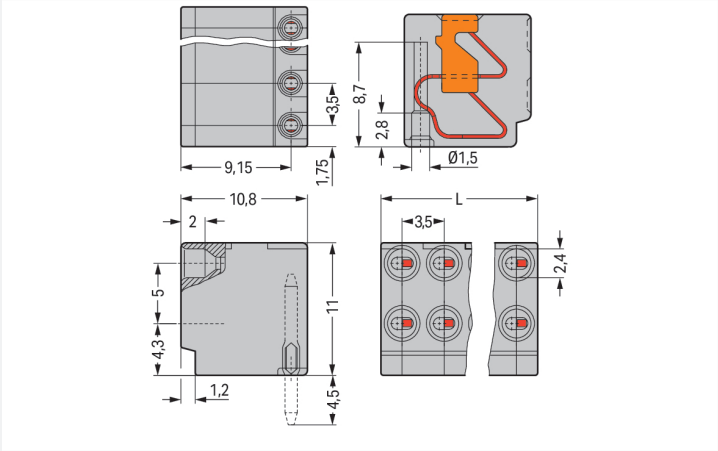
2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 2-pole; for solder pin strip; gray

https://www.wago.com/252-102



Color: gray

Similar to illustration




Dimensions in mm
L = pole no. x pin spacing

Pluggable pcb terminal block, 252 Series, with 3.5 mm pin spacing

Seamless electrical installations are guaranteed with pluggable pcb terminal block (item number 252-102). Strip lengths must be between 6 and 7 mm when connecting conductors to pluggable pcb terminal block. This product features one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection is the quick and easy method for connecting solid conductors. Dimensions: (7 x 11 x 10.5) mm (width x height x depth). Pluggable pcb terminal block is suitable for conductor cross sections ranging from 0.14 mm² to 0.5 mm². Tin is used for coating the contact surfaces.

## Notes

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

## 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 impulse withstand voltage | 4 kV | 4 kV | 4 kV |
| Rated current | 2 A | 2 A | 2 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | - | 300 V |
| Rated current | 2 A | - | 2 A |

## Connection Data

| | |
|---|---|
| Clamping units | 4 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

### 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 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 (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Copper alloy |
| Contact material | Electrolytic copper ($E_{Cu}$) |
| Contact Plating | Tin |
| Fire load | 0.015 MJ |
| Weight | 0.9 g |

## Environmental requirements

| | |
|---|---|
| Limit temperature range | -60 … +105 °C |

## Commercial data

| | |
|---|---|
| Product Group | 4 (Printed Circuit Connectors) |
| PU (SPU) | 600 (100) pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4045454039707 |
| Customs tariff number | 85366990990 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-44-04-01 |
| eCl@ss 9.0 | 27-44-04-01 |
| ETIM 9.0 | EC002643 |
| ETIM 10.0 | EC002643 |
| ECCN | NO US CLASSIFICATION |


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## Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant,No Exemption |

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CCA<br>DEKRA Certification B.V. | EN 60947 | NTR NL-7110 |
| CCA<br>DEKRA Certification B.V. | EN 60947-7-4 | NTR NL-7320 |
| cURus<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |
| ENEC<br>DEKRA Certification B.V. | EN 60947 | 2160584.26 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance 252-102

### Documentation

**Additional Information**

| | | |
|---|---|---|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB |

### CAD/CAE-Data

**CAD data**

2D/3D Models 252-102

**CAE data**

EPLAN Data Portal 252-102

ZUKEN Portal 252-102

**PCB Design**

Symbol and Footprint via SamacSys 252-102

Symbol and Footprint via Ultra Librarian 252-102


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## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Solder pin



Item No.: 243-131
THT single pin; silver-colored

### 1.2 Required Accessories

#### 1.2.1 Male connector

##### 1.2.1.1 Solder pin



Item No.: 243-131
THT single pin; silver-colored

### 1.3 Optional Accessories

#### 1.3.1 Marking

##### 1.3.1.1 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



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



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

#### 1.3.2 Tool

##### 1.3.2.1 Operating tool



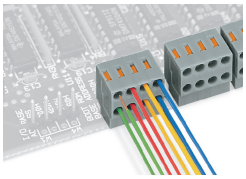
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



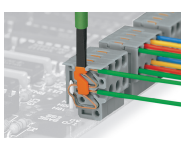
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor removal



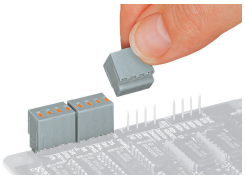
Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series


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## Installation



Plugging a compact PCB connector – 252 Series