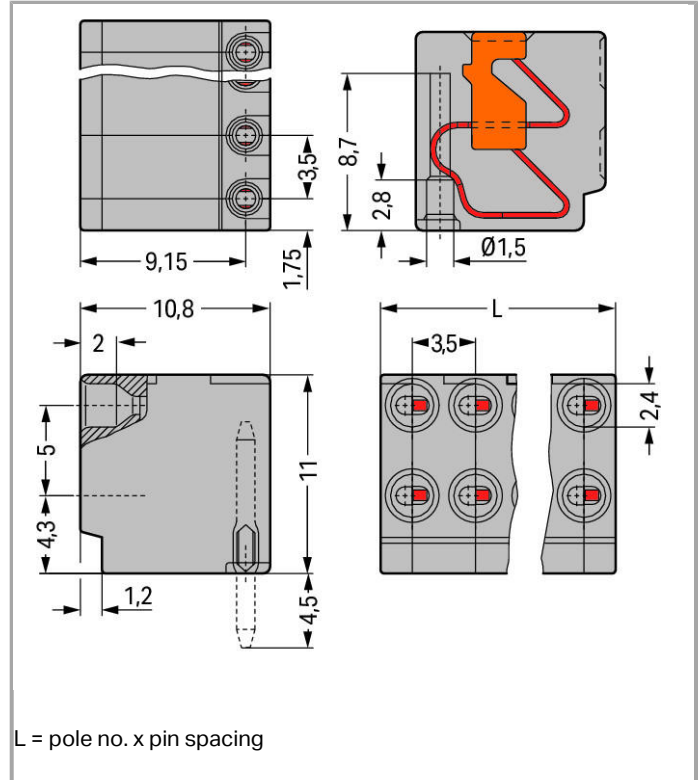


## Data sheet | Item number: 252-110

2-conductor modular PCB connector; for individual solder pins; Push-button; 0.8 mm Ø; Pin spacing 3.5 mm; 10-pole

[www.wago.com/252-110](http://www.wago.com/252-110)



### 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

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Direct marking, Other pole numbers

### Data

#### Electrical data

#### 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   |
| Rated impulse voltage (III / 2) | 4 kV  |
| Rated voltage (II / 2)          | 630 V   |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 2 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) | 2 A   |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 2 A   |

### Connection data

|                                   |   |
|-----------------------------------|---|
| Connection technology             | PUSH WIRE <sup>®</sup>                      |
| Actuation type                    | Push-button                                 |
| Solid conductor                   | 0.4 ... 0.8 mm <sup>2</sup> / 26 ... 20 AWG |
| Conductor diameter                | 0.4 ... 0.8 mm                              |
| Strip length                      | 6 ... 7 mm / 0.24 ... 0.28 Inch             |
| Conductor entry angle to the PCB  | 0°  |
| No. of poles                      | 10  |
| Total number of connection points | 20  |
| Total number of potentials        | 10  |
| Number of connection types        | 1   |
| Number of levels                  | 1   |

### Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 3.5 mm (0.138 inch)  |
| Width       | 35 mm / 1.378 inch   |
| Height      | 11 mm / 0.433 inch   |
| Depth       | 10.5 mm / 0.413 inch |

### Plug connection

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

## PCB contact

|             |     |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

## Material Data

|                             |                      |
|-----------------------------|----------------------|
| Color                       | gray                 |
| Material group              | I                    |
| Insulating material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Clamping spring material    | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.12 MJ              |
| Weight                      | 4.536 g              |

## Environmental Requirements

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

## Commercial data

|                    |                     |
|--------------------|---------------------|
| Country of origin  | PL                  |
| GTIN               | 4045454039783       |
| Customs Tariff No. | 85369010000         |
| Product Group      | 4 (Printed Circuit) |

## Approvals / Certificates

### Country specific Approvals

| Logo   | Approval                        | Certificate name |
|--|---------------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | NTR NL-7110      |
|  | CCA<br>DEKRA Certification B.V. | 2169331.15       |
|  | CCA<br>DEKRA Certification B.V. | NTR NL-7382      |

### UL-Approvals

| Logo | Approval | Certificate name |
|------|----------|------------------|
|      | cURus    | E45172 sec. 6    |

Underwriters Laboratories Inc.



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## Compatible products

### tools



**Item no.: 210-647**

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short

[www.wago.com/210-647](http://www.wago.com/210-647)



**Item no.: 210-719**

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

[www.wago.com/210-719](http://www.wago.com/210-719)

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### General accessories



**Item no.: 243-131**

Board-to-Board Link; 1-pole

[www.wago.com/243-131](http://www.wago.com/243-131)

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## Downloads

### smartDATA

### CAD data

3D Download 252-110

URL

Download

Subject to changes.

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