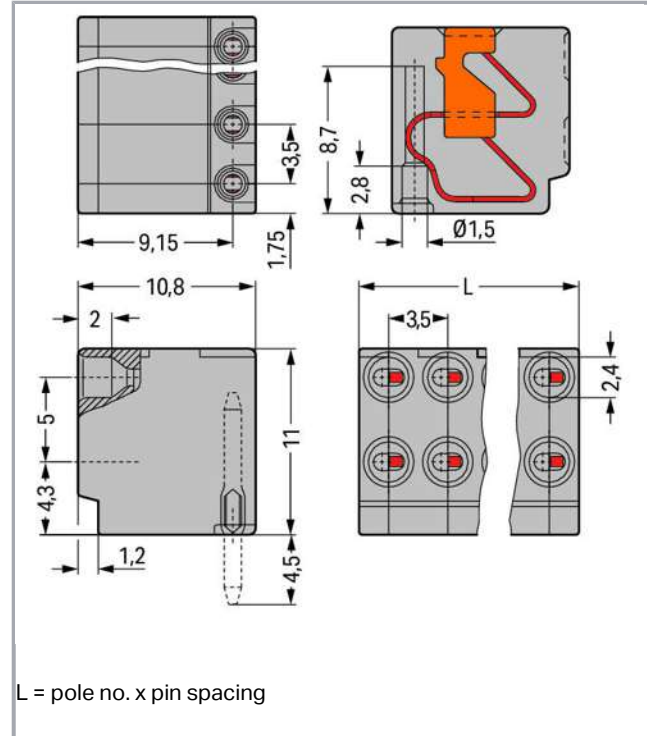


Data sheet | Item number: 252-102

2-conductor modular PCB connector; for individual solder pins; push-button;
0.8 mm Ø; Pin spacing 3.5 mm; 2-pole; 0,80 mm²; gray



www.wago.com/252-102



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

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per

IEC/EN 60664-1

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

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Email: info.de@wago.com | Web: www.wago.com

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| | |
|---------------------------------|--|
| 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) \triangleq 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 |
| Approvals per | UL 1059 |

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 entry angle to the PCB | 0° |
| No. of poles | 2 |
| Total number of connection points | 4 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 3,5 mm / 0.138 inch |
| Width | 7 mm / 0.276 inch |
| Height | 11 mm / 0.433 inch |
| Depth | 10,5 mm / 0.413 inch |

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Plug connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type | for PCB |
| 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 material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Fire load | 0.024 MJ |
| Weight | 0.9 g |

Environmental Requirements

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

Commercial data

| | |
|--------------------|---------------------|
| Product Group | 4 (Printed Circuit) |
| Packaging type | BOX |
| Country of origin | PL |
| GTIN | 4045454039707 |
| Customs Tariff No. | 85369010000 |


Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---------------------------------|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | EN 60947 | NTR NL- 7110 |

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


CCA

| | | | |
|--|---------------------------------|----------|------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | 2169331.15 |
|--|---------------------------------|----------|------------|

CCA

| | | | |
|--|---------------------------------|--------------|-------------|
| | CCA DEKRA Certification B.V. | EN 60947-7-4 | NTR NL-7382 |
|--|---------------------------------|--------------|-------------|



UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1059 | E45172 sec. 6 |

Counterpart

Compatible products

tools

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

General accessories

| | | |
|--|---|--|
|  | Item no.: 243-131 Board-to-Board Link; 1-pole | www.wago.com/243-131 |
|--|---|--|

Marking accessories

| | | |
|--|---|--|
| | 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 |
|--|---|--|

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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

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 3.6 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 252-102 | URL | Download |
|----------------------|-----|----------|

CAE data

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

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

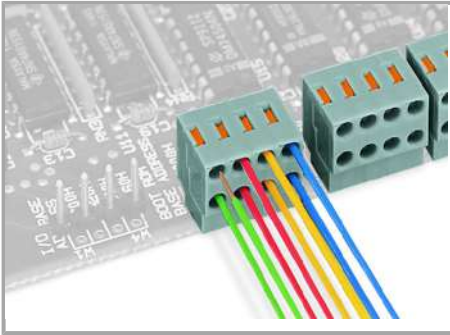
Subject to changes. Please also observe the further product documentation!

- 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

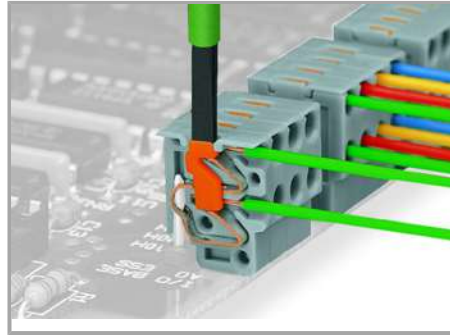
PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Installation Notes

Conductor termination



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



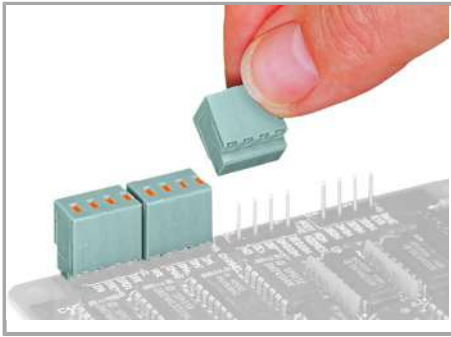
Removing a conductor via push-button – 252 Series

Installation

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Plugging a compact PCB connector – 252 Series.

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