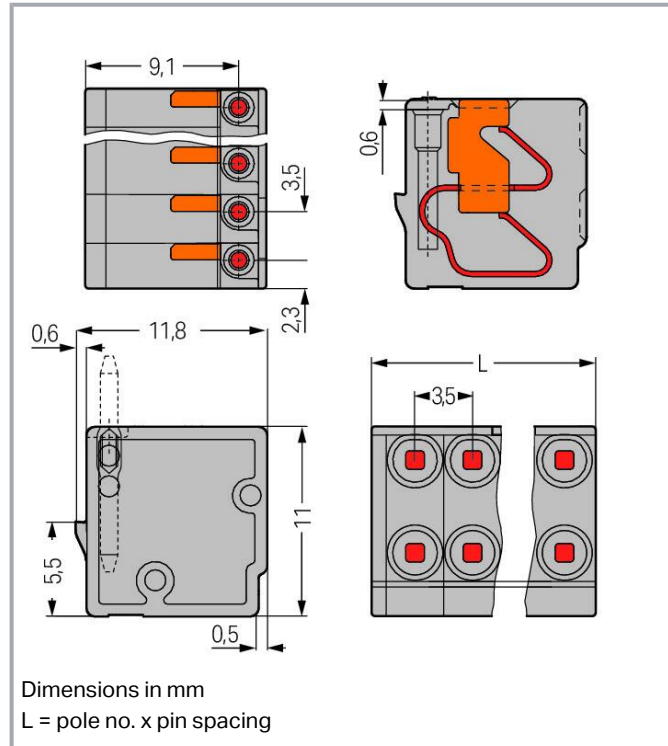


Data sheet | Item number: 252-304

2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 4-pole; for individual solder pins; for KNX; 0,50 mm²; gray

www.wago.com/252-304



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
- 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

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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) | 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) $\hat{=}$ 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

| | |
|----------------------------|---|
| Total number of potentials | 4 |
| 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 mm ² / 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 | 4 |

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



Physical data

| | |
|-------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 14.0 mm / 0.551 inches |
| Height | 11 mm / 0.433 inches |
| Depth | 11.8 mm / 0.465 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 _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.04 MJ |
| Weight | 1.9 g |

Environmental requirements

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

Commercial data

| | |
|-------------------|---------------|
| ETIM 8.0 | EC002643 |
| ETIM 7.0 | EC002643 |
| ECCN | NO DATA |
| PU (SPU) | 300 (100) pcs |
| Packaging type | box |
| Country of origin | PL |

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

| | |
|------|---------------|
| GTIN | 4055143959421 |
|------|---------------|

| | |
|-----------------------|-------------|
| Customs tariff number | 85366990990 |
|-----------------------|-------------|

Environmental Product Compliance

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

Required accessories

Male connector

Solder pin



Item no.: 243-131

THT single pin; silver-colored

www.wago.com/243-131

Optional accessories

Tool

Operating tool



Item no.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

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

Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|--------|----------|
| Technical Section | 2019 Apr 3 | pdf | Download |
| Technical explanations | | 2.1 MB | |

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 252-304 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|----------------------|-----|----------|
| ZUKEN Portal 252-304 | URL | Download |
|----------------------|-----|----------|

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

Asset Administration Shell

Asset Administration Shell 252-304

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 252-304

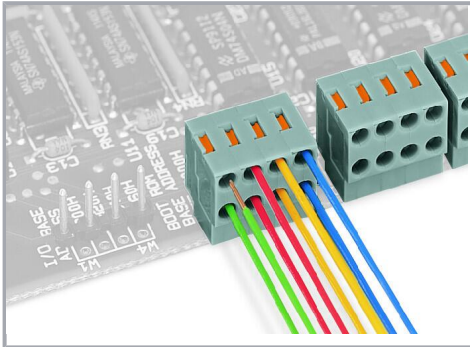
[URL](#)

[Download](#)

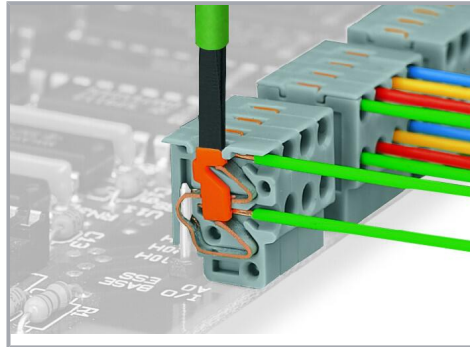
2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 4-pole; for individual solder pins; for KNX; 0,50 mm²; gray

Installation Notes

Conductor removal

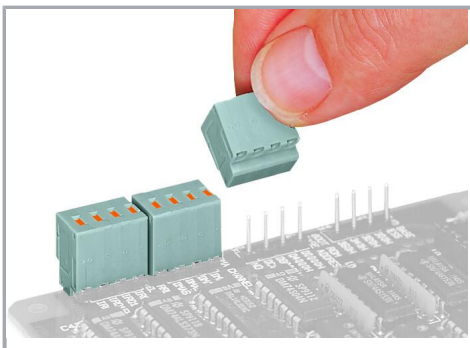


Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Installation



Plugging a compact PCB connector – 252 Series

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

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