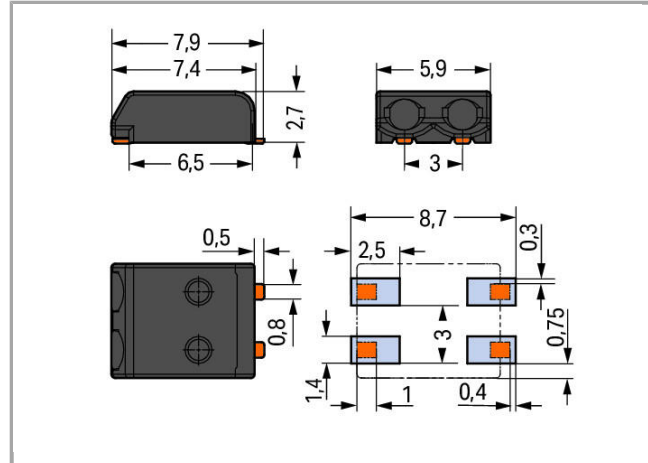


Data sheet | Item number: 2059-322/998-403

SMD PCB terminal block; 0.5 mm²; Pin spacing 3 mm; 2-pole; PUSH WIRE®; in tape-and-reel packaging; 0,50 mm²; black



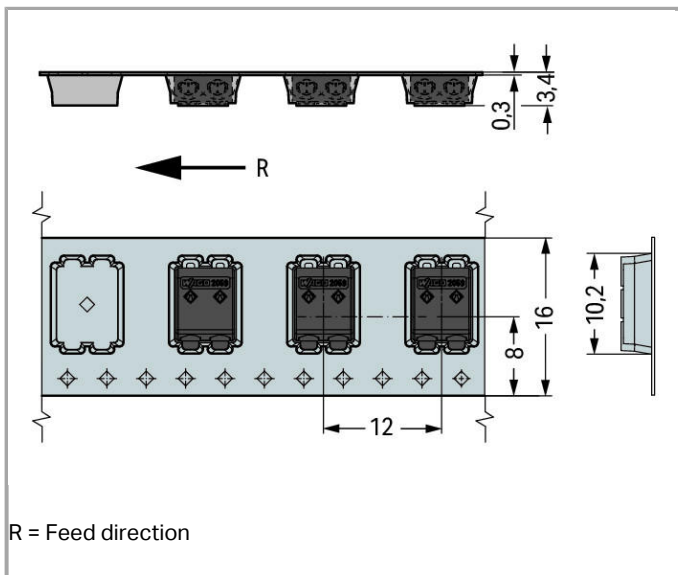
www.wago.com/2059-322/998-403



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■



Item description

- SMD PCB terminal blocks with PUSH WIRE® connection technology
- Push-in termination of solid conductors
- Easy conductor removal, e.g., via operating tool



- Just 2.7 mm tall
- Assemble terminal blocks without pole loss
- Available in tape-and-reel packaging for automated assembly

Note:

Application note:

Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260 °C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation:

Recommendation for SMD stencil:

Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Data**Electrical data****Ratings per IEC/EN 60664-1**

| | |
|---------------------------------|--------|
| Rated voltage (III / 3) | 63 V |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2) | 160 V |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2) | 320 V |
| Rated impulse voltage (II / 2) | 2.5 kV |
| Rated current | 3 A |

Approvals per UL 1977

| | |
|---|-------|
| Rated voltage per UL 1977 (factory wiring only) | 250 V |
| Rated current per UL 1977 (factory wiring only) | 3 A |

Connection data

| | |
|----------------------------------|---|
| Connection technology | PUSH WIRE® |
| Actuation type | Operating tool |
| Solid conductor | 0.14 ... 0.34 mm ² / 26 ... 22 AWG |
| Strip length | 4 ... 5.5 mm / 0.16 ... 0.22 inch |
| Conductor entry angle to the PCB | 0° |
| Solid conductor (2) | 0.5 mm ² / 20 AWG |



| | |
|-----------------------------------|--|
| Note (conductor cross-section) | For conductors that are not rigid enough (26 AWG), the clamping unit must be opened using an operating tool. |
| Note (conductor cross-section) 2 | No reconnection of smaller conductor cross-sections (0.5 mm ² / 20 AWG) |
| Strip length (2) | 6 ... 7.5 mm / 0.24 ... 0.3 inch |
| Total number of connection points | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |
| No. of poles | 2 |

Geometrical Data

| | |
|--|---------------------|
| Pin spacing | 3 mm / 0.118 inch |
| Width | 5.9 mm / 0.232 inch |
| Height | 2.7 mm / 0.106 inch |
| Depth | 7.9 mm / 0.311 inch |
| Reel diameter of tape-and-reel packaging | 330 mm |
| Tape width | 16 mm |

PCB contact

| | |
|-------------|-----|
| PCB contact | SMD |
|-------------|-----|

Material Data

| | |
|-----------------------------|-----------------------------------|
| Color | black |
| Material group | I |
| Insulating material | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper alloy |
| Contact plating | tin-plated |
| Weight | 0.168 g |

Environmental Requirements





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

Commercial data

| | |
|--------------------|---------------|
| Country of origin | CH |
| GTIN | 4055143476560 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates

Country specific Approvals




| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947-7-4 | NTR NL-7680 |
|  | CCA DEKRA Certification B.V. | EN 60838 | NTR NL-7720 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947-7-4 | 71-103560 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60838 | 71-106226 |

Compatible products

tools

| | | |
|--|--|--|
|  | Item no.: 2059-189 Operating tool; made of insulating material; for 2059 Series | www.wago.com/2059-189 |
|  | Item no.: 206-859 Operating tool; for 2059 Series | www.wago.com/206-859 |

General accessories

| | | |
|--|---|--|
|  | Item no.: 2059-902 Board-to-Board Link; Pin spacing 3 mm; 2-pole; Length: 15.3 mm; white | www.wago.com/2059-902 |
|  | Item no.: 2059-902/018-000 Board-to-Board Link; Pin spacing 3 mm; 2-pole; Length: 17.5 mm; white | www.wago.com/2059-902/018-000 |
|  | Item no.: 2059-902/021-000 Board-to-Board Link; Pin spacing 3 mm; 2-pole; Length: 20.5 mm; white | www.wago.com/2059-902/021-000 |

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf

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Subject to changes.

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