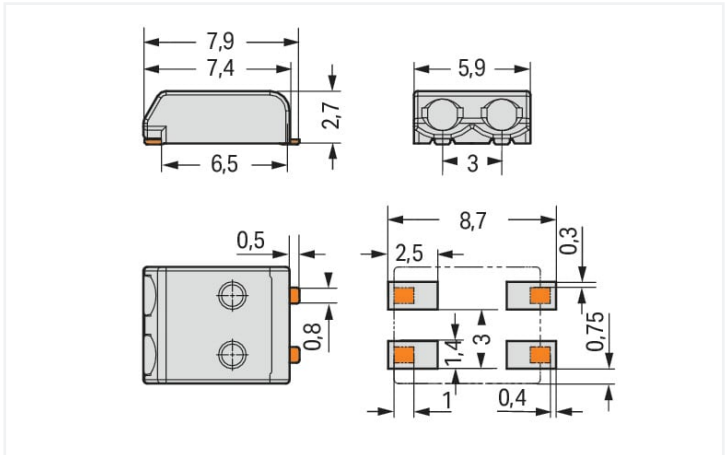
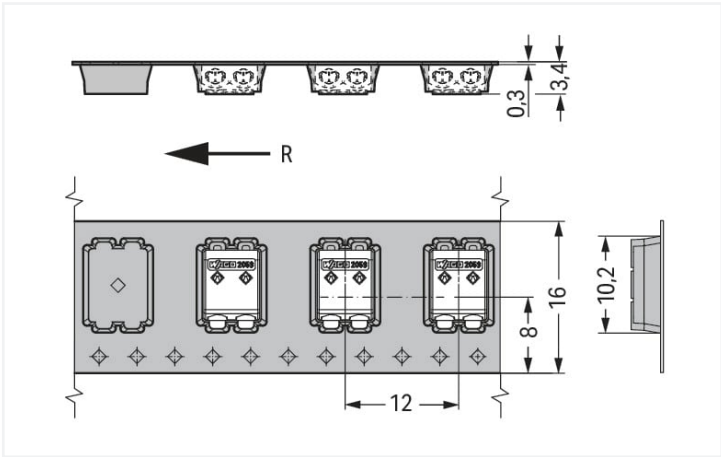




Color:   white



Dimensions in mm



Dimensions in mm  
R = feed direction

- SMD PCB terminal blocks with PUSH WIRE® connection technology
- Push-in termination of solid conductors
- Easy conductor removal via operating tool
- Just 2.7 mm tall
- Assemble terminal blocks without pole loss
- Available in tape-and-reel packaging for automated assembly

| Notes          |   |
|----------------|---|
| Note           | <p>Application notes:</p> <p>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 application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.</p> <p>Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.</p> |
| Recommendation | <p>Recommendation for stencil:</p> <p>150 µm material thickness; Pattern layout identical to solder pad layout</p>  |

Electrical data



| Ratings per          | IEC/EN 60664-1 |        |        |
|----------------------|----------------|--------|--------|
| Overvoltage category | III            | III    | II     |
| Pollution degree     | 3              | 2      | 2      |
| Nominal voltage      | 63 V           | 160 V  | 320 V  |
| Rated surge voltage  | 2.5 kV         | 2.5 kV | 2.5 kV |
| Rated current        | 3 A            | 3 A    | 3 A    |

| Approvals per | UL 1977 |
|---------------|---------|
| Rated voltage | 250 V   |
| Rated current | 3 A     |

Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                          |  |
|---------------------------------------|--|
| Connection technology                 | PUSH WIRE®   |
| Actuation type                        | Operating tool   |
| Solid conductor                       | 0.14 ... 0.34 mm² / 26 ... 22 AWG  |
| Note (conductor cross-section)        | For conductors (26 AWG) that are not rigid enough, the clamping unit must be opened using an operating tool. |
| Strip length                          | 4 ... 5.5 mm / 0.16 ... 0.22 inches  |
| Conductor connection direction to PCB | 0 °  |
| Pole number                           | 2  |

| Connection 2                     |  |
|----------------------------------|--|
| Solid conductor 2                | 0.5 mm² / 20 AWG   |
| Note (conductor cross-section) 2 | No reconnection of smaller conductor cross-sections (0.5 mm²/20 AWG) |
| Strip length 2                   | 6 ... 7.5 mm / 0.24 ... 0.3 inches                                   |

Physical data

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

Plug-in connection

|                                      |     |
|--------------------------------------|-----|
| Plugging without loss of pin spacing | Yes |
|--------------------------------------|-----|

PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB contact                         | SMD                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2  |

Material data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications" href="_blank">Information on material specifications can be found here</a> |
| Color                       | white  |
| Material group              | I  |
| Insulation material         | Polyphthalamide (PPA GF)   |
| Flammability class per UL94 | V0   |
| Contact material            | Copper alloy   |
| Contact plating             | Tin  |
| Fire load                   | 0.002 MJ   |



| Material data |       |
|---------------|-------|
| Weight        | 0.2 g |

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

| Commercial data       |                   |
|-----------------------|-------------------|
| Product Group         | 33 (SMT Terminal) |
| eCl@ss 10.0           | 27-14-11-06       |
| eCl@ss 9.0            | 27-14-11-06       |
| ETIM 8.0              | EC001284          |
| ETIM 7.0              | EC001284          |
| PU (SPU)              | 21000 (1750) pcs  |
| Packaging type        | Box               |
| Country of origin     | CH                |
| GTIN                  | 4055143082686     |
| Customs tariff number | 85369010000       |

| 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-7819      |
| CCA<br>DEKRA Certification B.V.       | EN 60947 | 71-111131        |
| CCA<br>DEKRA Certification B.V.       | EN 60838 | NTR NL-7720      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60838 | 71-106226        |
| UL<br>Underwriters Laboratories Inc.  | UL 1977  | E45171           |

| Downloads                        |  |
|----------------------------------|--|
| Environmental Product Compliance |  |



| Compliance Search                                    |  |  |  |
|--|--|--|--|
| Environmental Product Compliance<br>2059-302/998-403 |  |  |  |

Documentation

| Additional Information |            |                   |  |
|------------------------|------------|-------------------|--|
| Technical Section      | 03.04.2019 | pdf<br>1949.09 KB |  |

CAD/CAE-Data

| CAD data                         |  |
|----------------------------------|--|
| 2D/3D Models<br>2059-302/998-403 |  |

| CAE data                         |  |
|----------------------------------|--|
| ZUKEN Portal<br>2059-302/998-403 |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Board-to-board link

1.1.1.1 Board-to-board link



**Item No.: 2059-902**  
Board-to-Board Link; Pin spacing 3 mm;  
2-pole; Length: 15.3 mm; white



**Item No.: 2059-902/018-000**  
Board-to-Board Link; Pin spacing 3 mm;  
2-pole; Length: 17.5 mm; white



**Item No.: 2059-902/021-000**  
Board-to-Board Link; Pin spacing 3 mm;  
2-pole; Length: 20.5 mm; white

1.1.2 Tool

1.1.2.1 Operating tool



**Item No.: 206-859**  
Operating tool; for 2059 Series; multico-  
loured



**Item No.: 2059-189**  
Operating tool; made of insulating materi-  
al; for 2059 Series

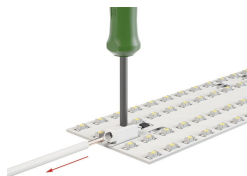
Installation Notes

Conductor termination



Insert solid conductors via push-in termi-  
nation.

Conductor termination



Easy conductor removal, e.g., via operating tool (Item No. 206-859) or "twist & pull" (max. 10 x, no reconnection of smaller conductors possible)