

<https://www.wago.com/2000-559>



Similar to illustration

## Safety information

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

### Ratings per IEC/EN

|                               |                                                                      |
|-------------------------------|----------------------------------------------------------------------|
| Nominal voltage (III/3)       | 500 V                                                                |
| Rated impulse voltage (III/3) | 6 kV                                                                 |
| Rated current                 | 13.5 A                                                               |
| Legend (ratings)              | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A  |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 10 A  |

## CSA 22.2 No 158

| Use group     | B     | C     | D |
|---------------|-------|-------|---|
| Rated voltage | 300 V | 300 V | - |
| Rated current | 10 A  | 10 A  | - |

|                            |   |
|----------------------------|---|
| Connection points          | 9 |
| Total number of potentials | 9 |

|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Actuation type                                             | Operating tool                                                                                                                    |
| Connectable conductor materials                            | Copper                                                                                                                            |
| Nominal cross-section                                      | 1 mm²                                                                                                                             |
| Solid conductor                                            | 0.14 ... 1.5 mm² / 24 ... 16 AWG                                                                                                  |
| Solid conductor; push-in termination                       | 0.5 ... 1.5 mm² / 20 ... 16 AWG                                                                                                   |
| Fine-stranded conductor                                    | 0.14 ... 1.5 mm² / 24 ... 16 AWG                                                                                                  |
| Fine-stranded conductor; with insulated ferrule            | 0.14 ... 0.75 mm² / 24 ... 18 AWG                                                                                                 |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 0.75 mm² / 20 ... 18 AWG                                                                                                  |
| Note (conductor cross-section)                             | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |



| Connection 1     |                                    |
|------------------|------------------------------------|
| Strip length     | 9 ... 11 mm / 0.35 ... 0.43 inches |
| Pole number      | 9                                  |
| Wiring direction | Side-entry wiring                  |

| Physical data |                       |
|---------------|-----------------------|
| Width         | 33 mm / 1.3 inches    |
| Module width  | 3.5 mm / 0.138 inches |

| Mechanical data |                     |
|-----------------|---------------------|
| Marking level   | Center/side marking |

| Material data               |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | gray                                                                     |
| Insulation material         | Polyamide (PA66)                                                         |
| Flammability class per UL94 | V0                                                                       |
| Fire load                   | 0.392 MJ                                                                 |
| Weight                      | 17.4 g                                                                   |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-14-11-51   |
| eCl@ss 9.0            | 27-14-11-51   |
| ETIM 8.0              | EC002021      |
| ETIM 7.0              | EC002021      |
| PU (SPU)              | 10 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143394628 |
| Customs tariff number | 85366990990   |

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

| Approvals / Certificates |                                                            |
|--------------------------|------------------------------------------------------------|
| General approvals        | Declarations of conformity and manufacturer's declarations |



| Approval                        | Standard | Certificate Name |
|---------------------------------|----------|------------------|
| CSA<br>DEKRA Certification B.V. | C22.2    | 2130762          |



| Approval                      | Standard | Certificate Name |
|-------------------------------|----------|------------------|
| Railway<br>WAGO GmbH & Co. KG | -        | Railway Ready    |



Downloads

Environmental Product Compliance

|                                           |  |  |  |
|-------------------------------------------|--|--|--|
| Compliance Search                         |  |  |  |
| Environmental Product Compliance 2000-559 |  |  |  |

Documentation

|          |            |                  |  |
|----------|------------|------------------|--|
| Bid Text |            |                  |  |
| 2000-559 | 19.02.2019 | xml<br>3.43 KB   |  |
| 2000-559 | 07.08.2018 | docx<br>14.97 KB |  |

CAD/CAE-Data

|                          |  |
|--------------------------|--|
| CAD data                 |  |
| 2D/3D Models<br>2000-559 |  |

|                               |  |
|-------------------------------|--|
| CAE data                      |  |
| EPLAN Data Portal<br>2000-559 |  |
| ZUKEN Portal<br>2000-559      |  |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



**Item No.: 216-241**  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-242**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-243**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

1.1.2 Marking

1.1.2.1 Marker



**Item No.: 793-3501**  
WMB marking card; as card; plain; snap-on type; white



**Item No.: 2009-113/000-006**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue



**Item No.: 2009-113/000-007**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray



**Item No.: 2009-113/000-023**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green



**Item No.: 2009-113/000-017**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green



**Item No.: 2009-113/000-012**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange



**Item No.: 2009-113/000-005**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red



**Item No.: 2009-113/000-024**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet

1.1.2.1 Marker



**Item No.: 2009-113**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white



**Item No.: 2009-113/000-002**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow

1.1.2.2 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.1.3 Strain relief

1.1.3.1 Strain relief plate



**Item No.: 734-329**  
Strain relief plate; for female and male connectors; 25 mm wide; 1 part; gray

1.1.4 Test and measurement

1.1.4.1 Testing accessories



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red

1.1.5 Tool

1.1.5.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



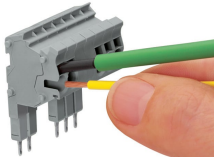
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



**All conductor types at a glance**



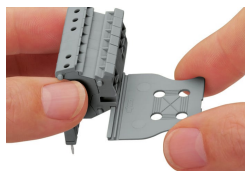
**Conductor termination via:**

- Operating tool for fine-stranded conductors without ferrules
- Push-in connection of solid conductors



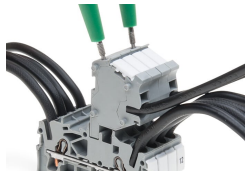
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.

## Strain relief



Snapping on a strain relief plate.

## Testing



TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester