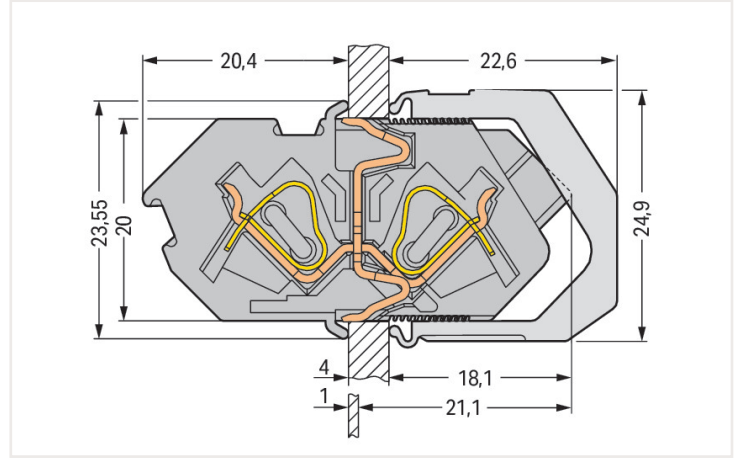
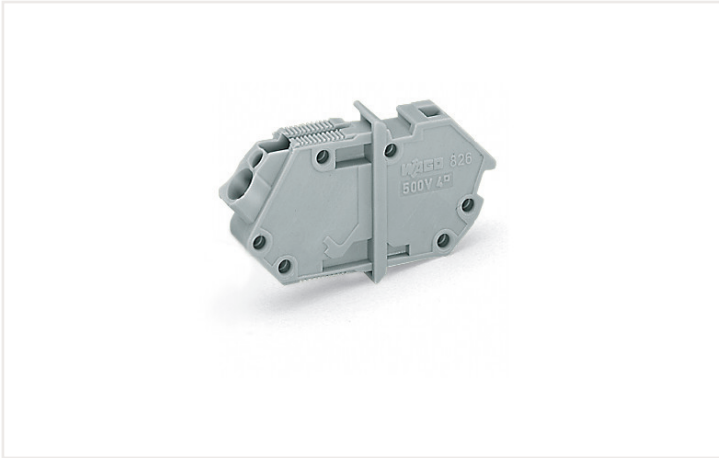


**Data sheet | Item number: 826-159**

Modular, panel feedthrough end terminal block; Conductor/conductor connection; Plate thickness: 1 ... 4 mm; 4 mm<sup>2</sup>; Pin spacing 7 mm; 1-pole; CAGE CLAMP®; 4,00 mm<sup>2</sup>; gray

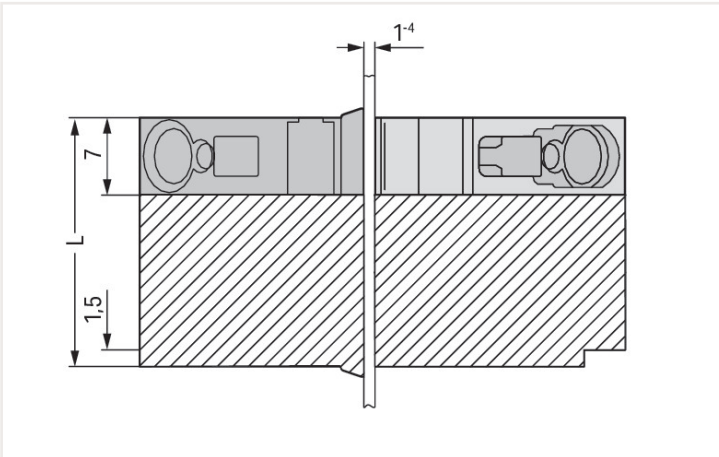


<https://www.wago.com/826-159>



Dimensions in mm

Cut-out dimensions: H = 20.1+0.1 mm; L = (pole no. x 7 mm) + 1.6+0.1 mm



- Feedthrough terminal blocks with screwdriver-actuated CAGE CLAMP® on both sides
- Easy, tool-free installation
- Direct ground contact with enclosure/panel
- Test ports available on both sides

**Notes**

Variants:

Other pole numbers  
 Other colors  
 Direct marking  
 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   |
| Ratings (note)                | Suitable for neutral-grounded, three-phase, 4-wire systems rated at 400 V (conductor-to-conductor) per IEC/EN 60664-1. |
| Nominal voltage (III/3)       | 320 V  |
| Rated impulse voltage (III/3) | 4 kV   |
| Rated voltage (III/2)         | 320 V  |

**Ratings per IEC/EN**

|                               |   |
|-------------------------------|---|
| Rated impulse voltage (III/2) | 4 kV  |
| Nominal voltage (II/2)        | 630 V   |
| Rated surge voltage (II/2)    | 4 kV  |
| Rated current                 | 32 A  |
| Legend (ratings)              | (III / 2) ≙ 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) | 20 A    |
| Rated voltage UL (Use Group C) | 150 V   |
| Rated current UL (Use Group C) | 20 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 20 A  |
| Rated voltage CSA (Use Group C) | 150 V |
| Rated current CSA (Use Group C) | 20 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

### Connection data

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

### Connection 1

|   |  |
|---|--|
| Connection technology                             | CAGE CLAMP®                                |
| Actuation type                                    | Operating tool                             |
| Solid conductor                                   | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor                           | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 2.5 mm <sup>2</sup>               |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm <sup>2</sup>               |
| Strip length                                      | 9 ... 10 mm / 0.35 ... 0.39 inches         |
| Pole number                                       | 1  |

### Physical data

|             |                         |
|-------------|-------------------------|
| Pin spacing | 7 mm / 0.276 inches     |
| Width       | 8.6 mm / 0.339 inches   |
| Height      | 23.55 mm / 0.927 inches |
| Depth       | 42.5 mm / 1.673 inches  |

### Mechanical data

|                         |                                       |
|-------------------------|---------------------------------------|
| Housing sheet thickness | 1 ... 4 mm / 0.039 ... 0.157 inches   |
| Mounting type           | Locking claw<br>Feed-through mounting |

### Material data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">Information on material data can be found here</a> |
| Color                       | gray   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                              |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                         |
| Contact plating             | Tin  |
| Fire load                   | 0.082 MJ   |
| Weight                      | 4.7 g  |

**Environmental requirements**

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
| Processing temperature  | -35 ... +60 °C  |

**Commercial data**

|                                     |                     |
|-------------------------------------|---------------------|
| Product Group                       | 4 (Printed Circuit) |
| 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)                            | 50 (25) Stück       |
| Packaging type                      | Box                 |
| Country of origin VKOrg Germany     | DE                  |
| GTIN                                | 4044918532433       |
| Customs tariff number VKOrg Germany | 85369010000         |

**Approvals and certificates**

**General approvals**



| Approval                            | Standard | Certificate name |
|-------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.     | -        | 2160584.32       |
| CCA<br>DEKRA Certification B.V.     | -        | NTR NL-7136      |
| UL<br>UL International Germany GmbH | UL 1059  | E45172           |

**Approvals for marine applications**



| Approval   | Standard  | Certificate name |
|--|-----------|------------------|
| ABS<br>American Bureau of Shipping               | EN 60947  | 20-HG1941090-PDA |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -         | TAE00001V2       |
| LR<br>Lloyds Register                            | IEC 61984 | 96/20035 (E5)    |

**Downloads**

**Environmental Product Compliance**

|  |                   |
|--|-------------------|
| <b>Compliance Search</b>                 |                   |
| Environmental Product Compliance 826-159 | <a href="#">↓</a> |

**Documentation**

|                               |            |                   |                   |
|-------------------------------|------------|-------------------|-------------------|
| <b>Additional Information</b> |            |                   |                   |
| Technical Section             | 03.04.2019 | pdf<br>1949.09 KB | <a href="#">↓</a> |

CAD/CAE-Data

| CAD data             | CAE data                  |
|----------------------|---------------------------|
| 2D/3D Models 826-159 | EPLAN Data Portal 826-159 |
|                      | ZUKEN Portal 826-159      |

1 Compatible products

1.1 Required accessories

1.1.1 End plate

1.1.1.1 End plate



**Item no.: 826-158/000-006**  
End plate; snap-fit type; 1.5 mm thick; blue

**Item no.: 826-158**  
End plate; snap-fit type; 1.5 mm thick; gray

**Item no.: 826-158/000-016**  
End plate; snap-fit type; 1.5 mm thick; green-yellow

1.1.2 Installation

1.1.2.1 Mounting accessories



**Item no.: 826-155**  
Locking cover; 1-pole; gray

**Item no.: 826-156**  
Locking cover; 2-pole; gray

**Item no.: 826-157**  
Locking cover; 3-pole; 3-pole; gray

1.2 Optional accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



**Item no.: 216-321**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

**Item no.: 216-151**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-131**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored

**Item no.: 216-322**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item no.: 216-132**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-152**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

**Item no.: 216-221**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white





















**Item no.: 216-141**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

**Item no.: 216-121**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored

**Item no.: 216-242**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item no.: 216-262**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

1.2.1.1 Ferrule

|   |  |   |   |
|---|--|---|---|
| <br><b>Item no.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray   | <br><b>Item no.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92                | <br><b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored   | <br><b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     |
| <br><b>Item no.: 216-263</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <br><b>Item no.: 216-223</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red  | <br><b>Item no.: 216-143</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92        | <br><b>Item no.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored  |
| <br><b>Item no.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black   | <br><b>Item no.: 216-244</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black            | <br><b>Item no.: 216-264</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <br><b>Item no.: 216-284</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black |
| <br><b>Item no.: 216-124</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated  | <br><b>Item no.: 216-144</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | <br><b>Item no.: 216-246</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <br><b>Item no.: 216-266</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  |
| <br><b>Item no.: 216-286</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | <br><b>Item no.: 216-106</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; uninsulated; electro-tin plated; silver-colored  |   |   |


1.2.2 Marking

1.2.2.1 Marking strip

|  |  |
|--|--|
| <br><b>Item no.: 210-332/700-103</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <br><b>Item no.: 210-332/700-102</b><br>Marking strips; as a DIN A4 sheet; MARKED; 12-1 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white |
|--|--|

1.2.3 Test and measurement

1.2.3.1 Testing accessories

|  |
|--|
| <br><b>Item no.: 210-136</b><br>Test plug; 2 mm Ø; with 500 mm cable; red |
|--|

## 1.2.4 Tool

### 1.2.4.1 Operating tool



**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

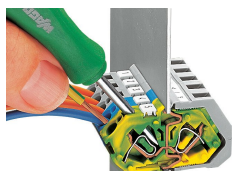


**Item no.: 210-657**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

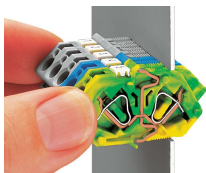
## Installation notes

### Conductor termination

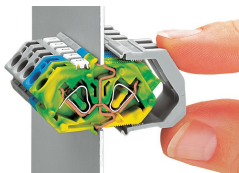


Inserting a conductor.

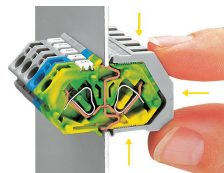
## Installation



Insert the terminal strip into the cutout until the stop hits the enclosure wall.

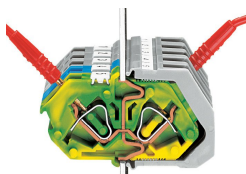


Secure the terminal strip to the inner side of the cutout via retaining clips.



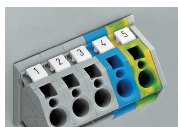
Push retaining clips until stop and press together in the direction of the terminal strip center.

## Testing



Testing with 2 mm or 2.3 mm Ø test plug.

## Marking



Labeling via Mini-WSB makers – directly on the terminal blocks.



Self-adhesive marking strips adhere directly on the retaining clips.

## Application



Automatic, double contact of the ground contact to the enclosure wall