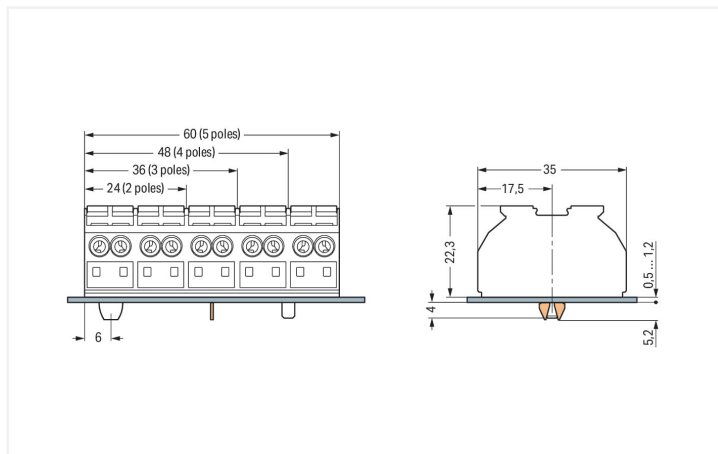


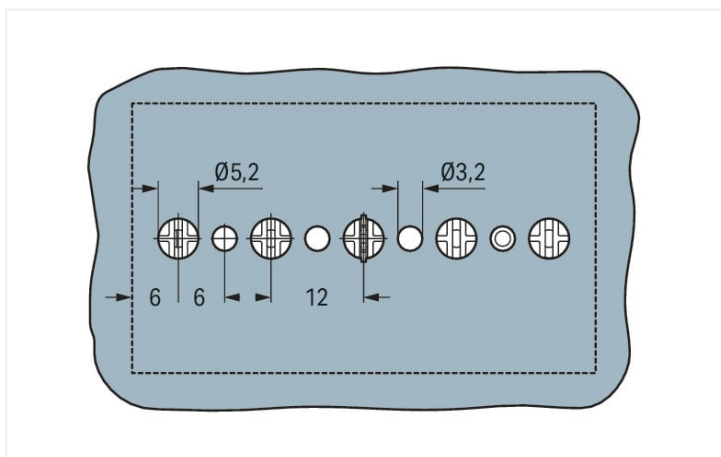
4-conductor chassis-mount terminal strip; suitable for Ex e II applications; without ground contact; PE-N-L1; 3-pole; 1 snap-in foot per pole; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; black



Similar to illustration



Dimensions in mm  
Dimensions in mm  
for chassis-mount terminal strips



## Electrical data

## Ex information

|                            |       |
|----------------------------|-------|
| Rated voltage EN (Ex e II) | 440 V |
| Rated current (Ex e II)    | 28 A  |

## Connection data

|                            |                    |
|----------------------------|--------------------|
| Connection points          | 12                 |
| Total number of potentials | 3                  |
| PE function                | without PE contact |

### Connection 1

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Connection technology                           | Push-in CAGE CLAMP®             |
| Actuation type                                  | Push-button                     |
| Connectable conductor materials                 | Copper                          |
| Solid conductor                                 | 0.5 ... 4 mm² / 20 ... 12 AWG   |
| Solid conductor; push-in termination            | 0.75 ... 4 mm² / 18 ... 12 AWG  |
| Stranded conductor                              | 0.5 ... 4 mm² / 20 ... 12 AWG   |
| Fine-stranded conductor                         | 0.5 ... 4 mm² / 20 ... 12 AWG   |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 1.5 mm² / 20 ... 16 AWG |

### Connection 1

|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm <sup>2</sup> / 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. |
| Strip length                                               | 10 ... 11 mm / 0.39 ... 0.43 inches                                                                                               |
| Pole number                                                | 3                                                                                                                                 |
| Wiring direction                                           | Side-entry wiring                                                                                                                 |

### Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 12 mm / 0.472 inches   |
| Width                   | 36 mm / 1.417 inches   |
| Height from the surface | 22.3 mm / 0.878 inches |
| Depth                   | 35 mm / 1.378 inches   |

### Mechanical data

|               |              |
|---------------|--------------|
| Marking       | -N-L1        |
| Mounting type | Snap-in foot |

### Material data

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | black                                                                                                                  |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 0.384 MJ                                                                                                               |
| Halogen-free                | Yes                                                                                                                    |
| Weight                      | 20.8 g                                                                                                                 |

### Commercial data

|                       |               |
|-----------------------|---------------|
| 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)              | 250 pcs       |
| Packaging type        | Bag           |
| Country of origin     | DE            |
| GTIN                  | 4045454804138 |
| Customs tariff number | 85369010000   |



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

Approvals / Certificates

| General approvals                                                                |               |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|----------------------------------------------------------------------------------|---------------|------------------|------------------------------------------------------------|----------|------------------|
|  |               |                  |                                                            |          |                  |
| Approval                                                                         | Standard      | Certificate Name | Approval                                                   | Standard | Certificate Name |
| CSA<br>DEKRA Certification B.V.                                                  | C22.2 No. 158 | 1505030          | ATEX-Attestation of Con-<br>formity<br>WAGO GmbH & Co. KG  | -        | -                |

Approvals for hazardous areas

|    |                |                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------|
| Approval                                                                                                                                                                                                                                             | Standard       | Certificate Name                                                     |
| ATEX<br>Physikalisch Technische<br>Bundesanstalt (PTB)                                                                                                                                                                                               | -              | PTB 03 ATEX 1189 U (II 2<br>G Ex eb IIC Gb bzw. I M 2<br>Ex eb I Mb) |
| CCC<br>CNEX                                                                                                                                                                                                                                          | GB/T 3836.3    | 2020312313000178 (Ex<br>eb IIC Gb, Ex eb I Mb)                       |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                                                                                                                                                                                                          | TP TC 012/2011 | RU C-DE.AM02.<br>B.00127/19 (Ex e IIC Gb U)                          |
| IECEX<br>Physikalisch Technische<br>Bundesanstalt                                                                                                                                                                                                    | IEC 60079      | IECEX PTB 05.0003 U (Ex<br>eb IIC Gb or Ex eb I Mb)                  |

Downloads

| Environmental Product Compliance                        |                                                                                     |
|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                                       |                                                                                     |
| Environmental Product<br>Compliance<br>862-1533/999-950 |  |

Documentation

| Additional Information |                   |                                                                                     | Bid Text         |            |                                                                                                          |
|------------------------|-------------------|-------------------------------------------------------------------------------------|------------------|------------|----------------------------------------------------------------------------------------------------------|
| Technical Section      | pdf<br>2240.62 KB |  | 862-1533/999-950 | 19.02.2019 | xml<br>3.67 KB<br>  |
|                        |                   |                                                                                     | 862-1533/999-950 | 12.06.2017 | doc<br>24.50 KB<br> |



| CAD/CAE-Data                                                                  |                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>862-1533/999-950</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal<br/>862-1533/999-950</div> <div>↓</div> <div>WSCAD Universe<br/>862-1533/999-950</div> <div>↓</div> <div>ZUKEN Portal<br/>862-1533/999-950</div> <div>↓</div> |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><a href="#">Item No.: 216-241</a><br/>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</div> |  <div><a href="#">Item No.: 216-141</a><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div> |  <div><a href="#">Item No.: 216-242</a><br/>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</div>  |  <div><a href="#">Item No.: 216-142</a><br/>Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>                 |
|  <div><a href="#">Item No.: 216-243</a><br/>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</div>    |  <div><a href="#">Item No.: 216-143</a><br/>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>  |  <div><a href="#">Item No.: 216-244</a><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</div> |  <div><a href="#">Item No.: 216-144</a><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored</div> |

1.1.2 Jumper

1.1.2.1 Jumper

|                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><a href="#">Item No.: 862-482</a><br/>Jumper; for conductor entry; insulated; black</div> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1.1.3 Marking

1.1.3.1 Marking strip

|                                                                                                                                                                                                                              |                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><a href="#">Item No.: 709-177</a><br/>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent</div> |  <div><a href="#">Item No.: 709-178</a><br/>Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white</div> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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

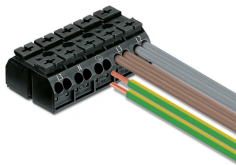
### 1.1.5.1 Operating tool



**Item No.: 210-720**

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

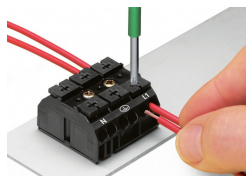
## Installation Notes



**Cost-effective features:**

WAGO's 862 Series Chassis-Mount Terminal Strips were developed specifically to minimize wiring costs, while accommodating requirements for flexible mounting, multiple connection points and easy usage:

- Equipped with Push-in CAGE CLAMP®, the 862 Series connects up to four conductors sized 0.5 to 4 mm² (20 ... 12 AWG). Due to multiple connection points per pole, different conductor sizes can be used within the same terminal block position.
- For factory wiring, Push-in CAGE CLAMP® Connection Technology allows solid conductors, fine-stranded conductors with ferrules or ultrasonically bonded conductors from 0.5 ... 4 mm² (20 ... 12 AWG) to be terminated by simply pushing them into unit (length of bonded conductor end: min. 10 mm).
- Convenient automatic grounding contact (optional)
- Snap-in mounting feet for fast assembly
- Push-buttons for easy installation with an operating tool or by hand
- Built-in test points simplify testing with 2 mm Ø test plug
- Standard marking for each pole, or custom marking for large orders



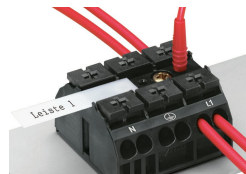
Inserting a conductor via push-button.

## Commoning

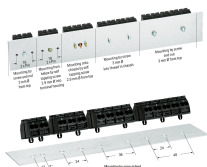


Commoning using a comb-style jumper bar (862-482).

## Testing

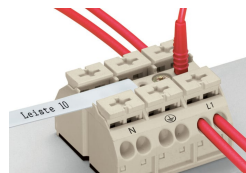


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

### Marking



### Marking by direct, one-side printing and marking strips