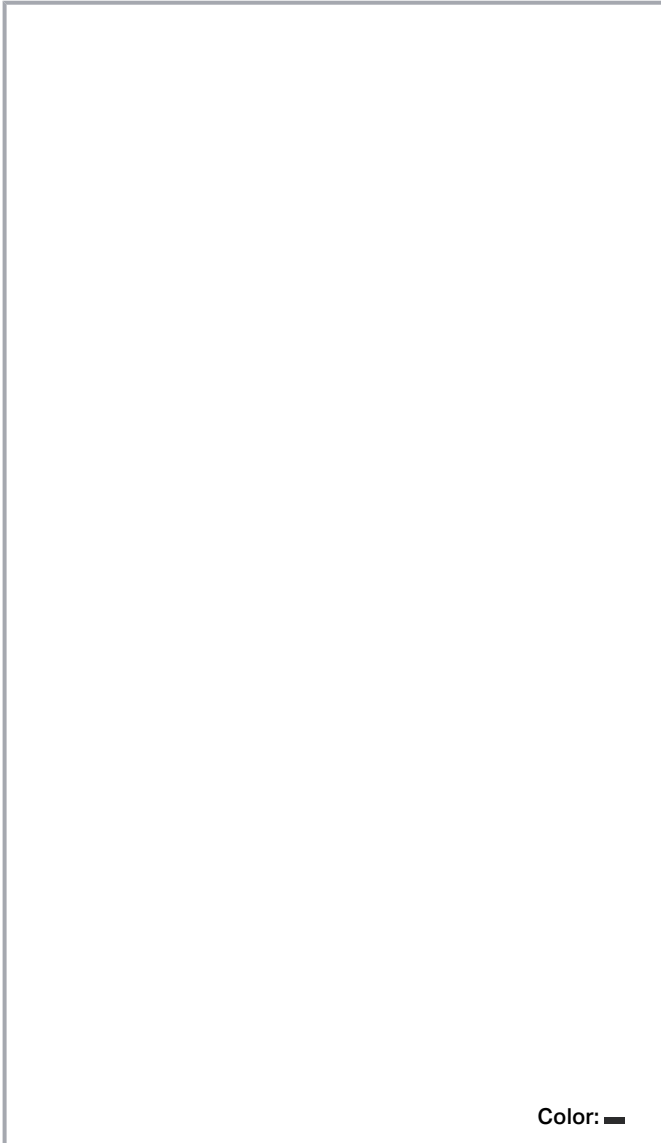


**Data sheet | Item number: 862-1503**

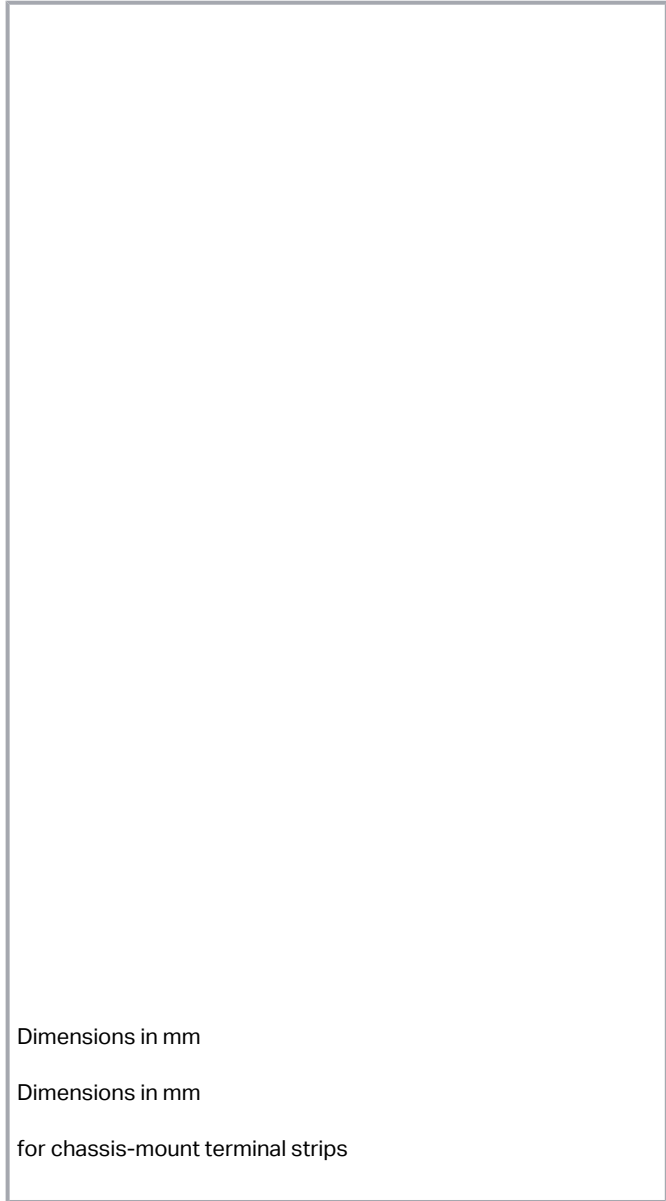
4-conductor chassis-mount terminal strip; without ground contact; PE-N-L1;  
3-pole; for 3 mm  $\varnothing$  screw and nut; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; black



[www.wago.com/862-1503](http://www.wago.com/862-1503)



Color: ■



Dimensions in mm

Dimensions in mm

for chassis-mount terminal strips

**Data**

**Electrical data**

Subject to changes. Please also observe the further product documentation!

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## Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Nominal voltage (III/3)       | 500 V   |
| Rated impulse voltage (III/3) | 6 kV  |
| Rated current                 | 32 A  |
| Legend (ratings)              | (III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

## Connection data

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

## Connection 1

|  |   |
|--|---|
| Connection technology                                      | Push-in CAGE CLAMP <sup>®</sup>   |
| Actuation type   | Push-button   |
| Connectable conductor materials                            | Copper  |
| Solid conductor  | 0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG   |
| Solid conductor; push-in termination                       | 0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG  |
| Stranded conductor   | 0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG   |
| Fine-stranded conductor                                    | 0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG   |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG   |
| 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       | $\perp$ -N-L1  |
| Mounting type | Screw mounting |

Subject to changes. Please also observe the further product documentation!

## Material data




|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material data can be found here |
| Color                       | black  |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)                               |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.379 MJ                                       |
| Halogen-free                | Yes  |
| Weight                      | 20.5 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 Stück     |
| Packaging type                      | bag           |
| Country of origin VKOrg Germany     | DE            |
| GTIN                                | 4044918509473 |
| Customs tariff number VKOrg Germany | 85369010000   |

## Approvals / Certificates

### General approvals

| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 2146425.01       |
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL<br>6912   |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1505030          |
|  | ENEC 15                         | EN 60998                 | 143856-01        |

Subject to changes. Please also observe the further product documentation!




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E45172

## Approvals for marine applications

| Logo  | Approval  | Additional Approval Text | Certificate name |
|---|---|--------------------------|------------------|
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |
|  | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112<br>(E9) |

## Optional accessories

## Ferrule

| Ferrule   |  |  |
|---|--|--|
| <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                |  | <a href="http://www.wago.com/216-142">www.wago.com/216-142</a> |
| <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                   |  | <a href="http://www.wago.com/216-143">www.wago.com/216-143</a> |
| <b>Item no.: 216-141</b><br>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                 |  | <a href="http://www.wago.com/216-141">www.wago.com/216-141</a> |
| <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 |  | <a href="http://www.wago.com/216-144">www.wago.com/216-144</a> |
| <b>Item no.: 216-241</b><br>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            |  | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
| <b>Item no.: 216-242</b><br>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            |  | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
| <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                |  | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
| <b>Item no.: 216-244</b>  |  |  |

Subject to changes. Please also observe the further product documentation!

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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

[www.wago.com/216-244](http://www.wago.com/216-244)**Marking accessories**

## Marking strip

**Item no.: 709-178**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

[www.wago.com/709-178](http://www.wago.com/709-178)**Item no.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

[www.wago.com/709-177](http://www.wago.com/709-177)**Testing and measuring**

## Testing accessories

**Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

[www.wago.com/210-136](http://www.wago.com/210-136)**Jumpers**

## Jumper

**Item no.: 862-482**

Jumper; for conductor entry; insulated; black

[www.wago.com/862-482](http://www.wago.com/862-482)**Tool**

## Operating tool

**Item no.: 210-720**

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

[www.wago.com/210-720](http://www.wago.com/210-720)**Downloads****Documentation****Bid Text**

|                         |              |                |          |
|-------------------------|--------------|----------------|----------|
| 862-1503<br>X81 - Datei | Feb 19, 2019 | xml<br>3.8 kB  | Download |
| 862-1503<br>doc - Datei | Jun 12, 2017 | doc<br>25.1 kB | Download |

**Additional Information**

|   |  |               |          |
|---|--|---------------|----------|
| Technical Section<br>Technical explanations |  | pdf<br>2.2 MB | Download |
|---|--|---------------|----------|

**CAD/CAE-Data****CAD data**

|                       |  |     |          |
|-----------------------|--|-----|----------|
| 2D/3D Models 862-1503 |  | URL | Download |
|-----------------------|--|-----|----------|

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#### CAE data

|                            |                     |                          |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 862-1503 | <a href="#">URL</a> | <a href="#">Download</a> |
| ZUKEN Portal 862-1503      | <a href="#">URL</a> | <a href="#">Download</a> |
| WSCAD Universe 862-1503    | <a href="#">URL</a> | <a href="#">Download</a> |

#### Environmental Product Compliance

##### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 862-1503<br>4-conductor chassis-mount terminal strip; without ground contact; PE-N-L1; 3-pole;<br>for 3 mm $\emptyset$ screw and nut; 4 mm <sup>2</sup> ; 4,00 mm <sup>2</sup> ; black | <a href="#">URL</a> | <a href="#">Download</a> |
|---|---------------------|--------------------------|

#### Installation Notes

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Subject to changes. Please also observe the further product documentation!

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#### 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 mm<sup>2</sup> (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 mm<sup>2</sup> (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

#### Conductor termination

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Subject to changes. Please also observe the further product documentation!

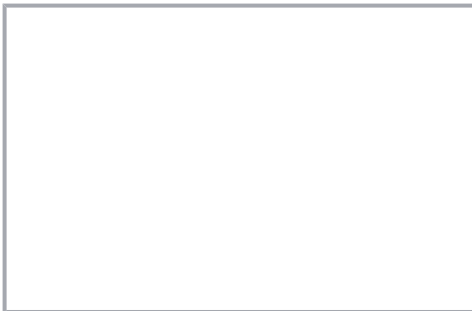


Terminating four conductors per pole – solid and fine-stranded.



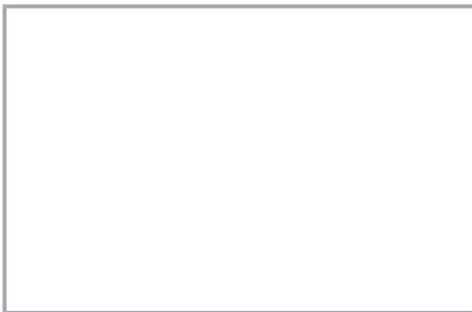
Inserting a conductor via push-button.

### Commoning



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

### Testing



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

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Subject to changes. Please also observe the further product documentation!





Dimensions in mm

**Marking**



Marking by direct, one-side printing and marking strips

Subject to changes. Please also observe the further product documentation!