

Data sheet | Item number: 862-615

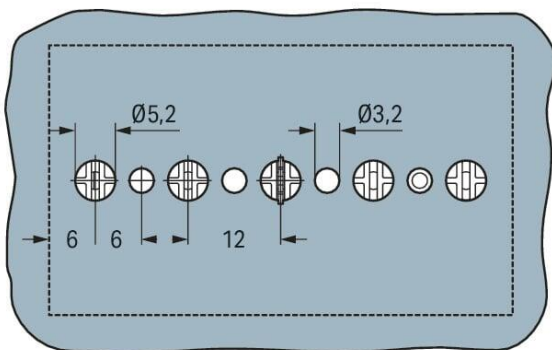
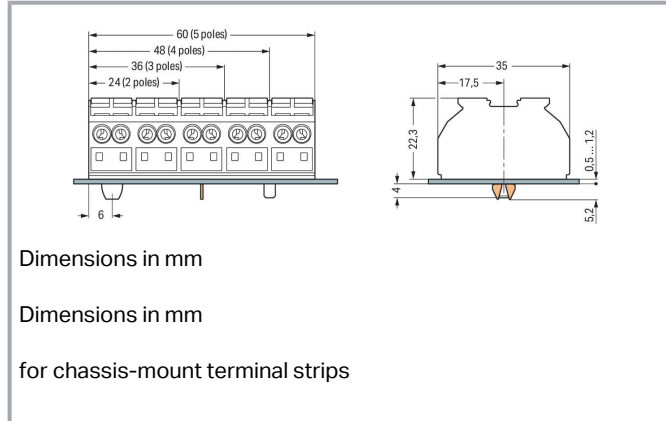
4-conductor chassis-mount terminal strip; without ground contact; 5-pole; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; white

[www.wago.com/862-615](http://www.wago.com/862-615)



**i** Picture differs from the item.

Color:



Dimensions in mm  
for GND contact and snap-in mounting foot (Ø 5.2 mm)

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

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## Data

### Electrical data

#### 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          | 20                 |
| Total number of potentials | 5                  |
| 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  | 5   |
| Wiring direction   | Side-entry wiring   |

#### Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 12 mm / 0.472 inches   |
| Width                   | 60 mm / 2.362 inches   |
| Height from the surface | 22.3 mm / 0.878 inches |
| Depth                   | 35 mm / 1.378 inches   |

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## Mechanical Data

|               |                                     |
|---------------|-------------------------------------|
| Marking       | plain                               |
| Mounting type | Snap-in mounting foot at pos. 1+3+5 |

## Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | white  |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.649 MJ   |
| Halogen-free                | Yes  |
| Weight                      | 34.3 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)              | 200 pcs       |
| Packaging type        | bag           |
| Country of origin     | DE            |
| GTIN                  | 4044918509350 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

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

## Approvals / Certificates



### General approvals

| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL<br>6912   |



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

|  |  |               |            |
|--|--|---------------|------------|
|  | CCA<br>DEKRA Certification B.V.          | EN 60947      | 2146425.01 |
|  | CSA<br>DEKRA Certification B.V.          | C22.2 No. 158 | 1505030    |
|  | ENEC 15<br>UL International Germany GmbH | EN 60998      | 143856-01  |
|  | UL<br>UL International Germany GmbH      | UL 1059       | E45172     |

## Declarations of conformity and manufacturer's declarations

| Logo   | Approval   | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|   | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

## Approvals for marine applications

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

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

## Optional accessories

### 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)

### 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)

### 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><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            | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |

### Tool

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

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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)

Jumpers

Jumper



Item no.: 862-482

Jumper; for conductor entry; insulated; black

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

Downloads

Documentation

Bid Text

|                        |             |                |          |
|------------------------|-------------|----------------|----------|
| 862-615<br>X81 - Datei | 2019 Feb 19 | xml<br>3.7 kB  | Download |
| 862-615<br>doc - Datei | 2017 Jun 13 | 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 862-615 |  | URL | Download |
|----------------------|--|-----|----------|

CAE data

|                           |  |     |          |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 862-615 |  | URL | Download |
|---------------------------|--|-----|----------|

|                      |  |     |          |
|----------------------|--|-----|----------|
| ZUKEN Portal 862-615 |  | URL | Download |
|----------------------|--|-----|----------|

|                        |  |     |          |
|------------------------|--|-----|----------|
| WSCAD Universe 862-615 |  | URL | Download |
|------------------------|--|-----|----------|

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



## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 862-615

URL

Download

4-conductor chassis-mount terminal strip; without ground contact; 5-pole; 4 mm<sup>2</sup>;  
4,00 mm<sup>2</sup>; white

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## Installation Notes

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

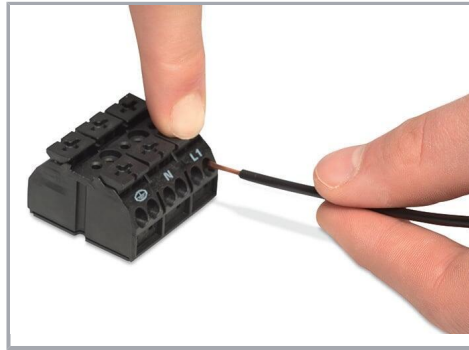
#### Conductor termination

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



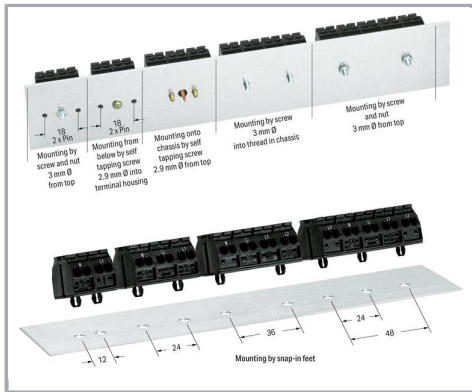
Commoning using a comb-style jumper bar (862-482).

### Testing



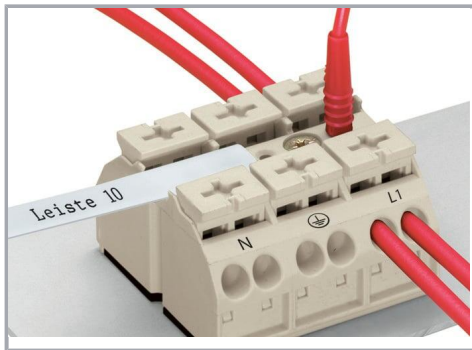
Testing with a 2 mm Ø test plug (max. 42 V).

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!

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