

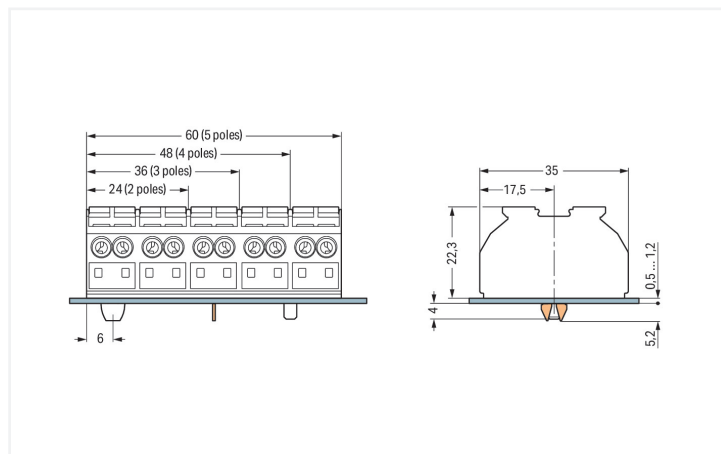
## Data Sheet | Item Number: 862-2652

4-conductor chassis-mount terminal strip; without ground contact; N-L1; 2-pole; for 3 mm  $\varnothing$  screw and nut; with 2x pin; 4 mm<sup>2</sup>; white

<https://www.wago.com/862-2652>



Color: ■ white



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

Chassis-mount terminal strip, 862 Series, white

Enjoy effortless electrical installations with this chassis-mount terminal strip (item number 862-2652). Conductors should only be connected to this chassis-mount terminal strip if their strip length is between 10 and 11 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Dimensions: (24 x 27.5 x 35) mm (width x height x depth). This chassis-mount terminal strip is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>.

### Electrical data

#### Ratings per IEC/EN

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

#### General information

|                  |                   |
|------------------|-------------------|
| Wiring direction | Side-entry wiring |
|------------------|-------------------|

### Connection Data

|                            |                    |
|----------------------------|--------------------|
| Clamping units             | 8                  |
| Total number of potentials | 2                  |
| 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 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 ... 1.5 mm <sup>2</sup> / 18 ... 16 AWG |

### Connection 1

|                                |                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 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                    | 2                                                                                                                                 |
| Wiring direction               | Side-entry wiring                                                                                                                 |

### Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 12 mm / 0.472 inches   |
| Width                   | 24 mm / 0.945 inches   |
| Height                  | 27.5 mm / 1.083 inches |
| Height from the surface | 22.3 mm / 0.878 inches |
| Depth                   | 35 mm / 1.378 inches   |

### Mechanical data

|               |             |
|---------------|-------------|
| Marking       | N-L1        |
| Mounting type | Screw mount |

### Material data

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | white                                                                    |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.224 MJ                                                                 |
| Halogen-free                       | Yes                                                                      |
| Weight                             | 14.1 g                                                                   |

### Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 500 pcs       |
| Packaging type        | Bag           |
| Country of origin     | DE            |
| GTIN                  | 4044918510301 |
| Customs tariff number | 85369010000   |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121409             |
| eCl@ss 10.0 | 27-14-11-06          |
| eCl@ss 9.0  | 27-14-11-06          |
| ETIM 9.0    | EC001284             |
| ETIM 10.0   | EC001284             |
| ECCN        | NO US CLASSIFICATION |

**Environmental Product Compliance**

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

**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



| Approval                                 | Standard      | Certificate Name |
|------------------------------------------|---------------|------------------|
| CCA<br>DEKRA Certification B.V.          | EN 60947      | NTR NL 6912      |
| CSA<br>DEKRA Certification B.V.          | C22.2 No. 158 | 1505030          |
| ENEC 15<br>UL International Germany GmbH | EN 60998      | 143856-01        |
| KEMA/KEUR<br>DEKRA Certification B.V.    | EN 60947      | 2146425.01       |
| UL<br>UL International Germany GmbH      | UL 1059       | E45172           |

| Approval                                           | Standard | Certificate Name |
|----------------------------------------------------|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Downloads**

**Environmental Product Compliance**

| Compliance Search                                           |
|-------------------------------------------------------------|
| Environmental Product Compliance 862-2652 <a href="#">↓</a> |

**Documentation**

| Bid Text |            |                 |                   |
|----------|------------|-----------------|-------------------|
| 862-2652 | 19.02.2019 | xml<br>3.72 KB  | <a href="#">↓</a> |
| 862-2652 | 12.06.2017 | doc<br>24.50 KB | <a href="#">↓</a> |

**CAD/CAE-Data**

| CAD data                                |
|-----------------------------------------|
| 2D/3D Models 862-2652 <a href="#">↓</a> |

| CAE data                                     |
|----------------------------------------------|
| EPLAN Data Portal 862-2652 <a href="#">↓</a> |
| WSCAD Universe 862-2652 <a href="#">↓</a>    |
| ZUKEN Portal 862-2652 <a href="#">↓</a>      |

## 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 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.: 216-141**

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.: 216-242**

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.: 216-142**

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



**Item No.: 216-243**

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

**Item No.: 216-143**

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

**Item No.: 216-244**

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

**Item No.: 216-144**

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

#### 1.1.2 Jumper

##### 1.1.2.1 Jumper



**Item No.: 862-482**

Jumper; for conductor entry; insulated; black

#### 1.1.3 Marking

##### 1.1.3.1 Marking strip



**Item No.: 709-177**

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

**Item No.: 709-178**

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

#### 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

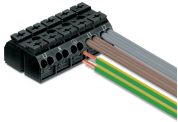
### 1.1.5.1 Operating tool



**Item No.: 210-720**

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

## Installation Notes

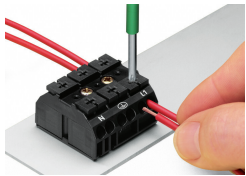


**Cost-effective features:**

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 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

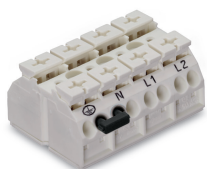


Terminating four conductors per pole – solid and fine-stranded.



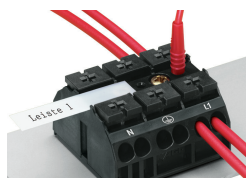
Inserting a conductor via push-button.

## Commoning

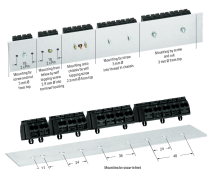


Commoning using a comb-style jumper bar (862-482).

## Testing

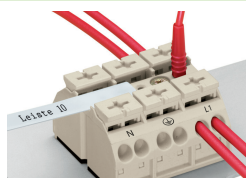


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

## Marking



Marking by direct, one-side printing and marking strips