

Data Sheet | Item Number: 862-8504

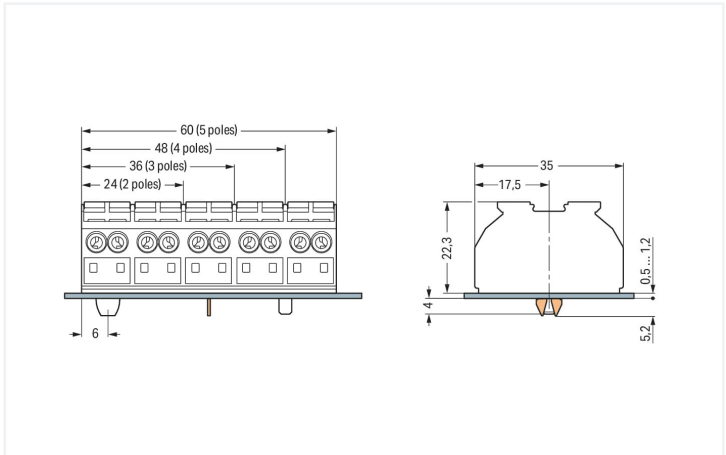
4-conductor chassis-mount terminal strip; with ground contact; N-PE-L1-L2; 4-po-  
le; for 3 mm Ø screw and nut; 4 mm²; 4,00 mm²; black

<https://www.wago.com/862-8504>

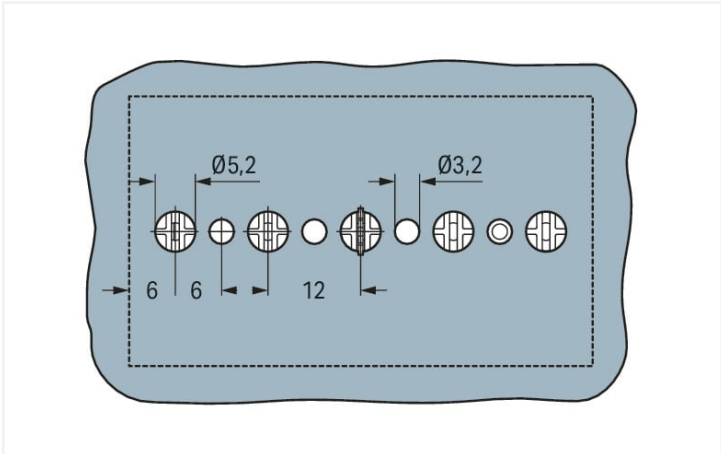


Color: ■ black

Similar to illustration



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



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

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) ≙ Overvoltage category III / Pollution degree 3 |

## Connection data

|                            |                     |
|----------------------------|---------------------|
| Connection points          | 16                  |
| Total number of potentials | 4                   |
| PE function                | with ground 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                                                                                                   |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 mm² / 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                                                | 4                                                                                                                                 |
| Wiring direction                                           | Side-entry wiring                                                                                                                 |

## Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 12 mm / 0.472 inches   |
| Width                   | 48 mm / 1.89 inches    |
| Height from the surface | 22.3 mm / 0.878 inches |
| Depth                   | 35 mm / 1.378 inches   |

## Mechanical data

|               |             |
|---------------|-------------|
| Marking       | N- -L1-L2   |
| Mounting type | Screw mount |

## 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                   | 0.503 MJ                                                                                                               |
| Halogen-free                | Yes                                                                                                                    |
| Weight                      | 27.7 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                  | 4044918510363 |
| 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 |
| CCA<br>DEKRA Certification B.V.             | EN 60947      | NTR NL 6912      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CCA<br>DEKRA Certification B.V.             | EN 60947      | 2146425.01       | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CSA<br>DEKRA Certification B.V.             | C22.2 No. 158 | 1505030          |                                                            |          |                  |
| ENEC 15<br>UL International Germany<br>GmbH | EN 60998      | 143856-01        |                                                            |          |                  |
| UL<br>UL International Germany<br>GmbH      | UL 1059       | E45172           |                                                            |          |                  |

Approvals for marine applications

| Approval                                              | Standard | Certificate Name |
|-------------------------------------------------------|----------|------------------|
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       |
| LR<br>Lloyds Register                                 | EN 60947 | 91/20112 (E9)    |

Downloads

| Environmental Product Compliance             |  |
|----------------------------------------------|--|
| Compliance Search                            |  |
| Environmental Product<br>Compliance 862-8504 |  |

Documentation

| Additional Information |                   | Bid Text |                               |
|------------------------|-------------------|----------|-------------------------------|
| Technical Section      | pdf<br>2240.62 KB | 862-8504 | 19.02.2019<br>xml<br>3.72 KB  |
|                        |                   | 862-8504 | 12.06.2017<br>doc<br>24.50 KB |
|                        |                   |          |                               |



| CAD/CAE-Data                                                          |                                                                            |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>862-8504</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal<br/>862-8504</div> <div>↓</div> |
|                                                                       | <div>WSCAD Universe<br/>862-8504</div> <div>↓</div>                        |
|                                                                       | <div>ZUKEN Portal<br/>862-8504</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

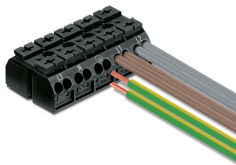
### 1.1.5.1 Operating tool



**Item No.: 210-720**

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

## Installation Notes

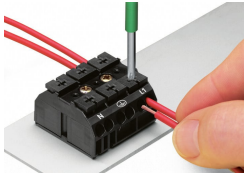


**Cost-effective features:**

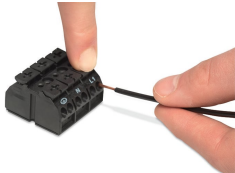
WAGO's 862 Series Chassis-Mount Terminal Strips were developed specifically to minimize wiring costs, while accommodating requirements for flexible mounting, multiple connection points and easy usage:

- 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

Conductor termination



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



Inserting a conductor via push-button.

Commoning

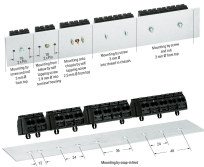


Commoning using a comb-style jumper bar (862-482).

Testing

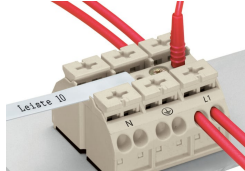


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips