

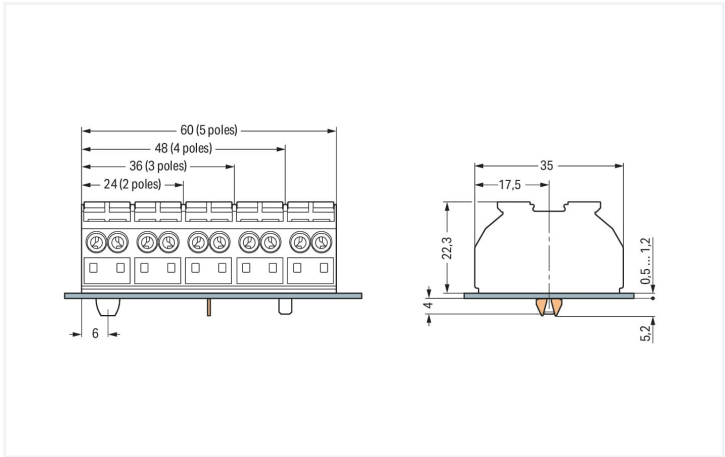
Data Sheet | Item Number: 862-1605

4-conductor chassis-mount terminal strip; without ground contact; PE-N-L1-L2-L3;  
5-pole; for 3 mm Ø screw and nut; 4 mm²; 4,00 mm²; white

<https://www.wago.com/862-1605>



Color:  white



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

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) Δ 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®                                                                                                               |
| 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                                                | 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   |

| Mechanical data |  |             |
|-----------------|--|-------------|
| Marking         |  | -N-L1-L2-L3 |
| 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                       |  | white                                                                                                                  |
| Material group              |  | I                                                                                                                      |
| Insulation material         |  | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 |  | V0                                                                                                                     |
| Fire load                   |  | 0.641 MJ                                                                                                               |
| Halogen-free                |  | Yes                                                                                                                    |
| Weight                      |  | 34.1 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                  |  | 4044918509688 |
| 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 | EU-Declaration of Confor-                                  | -        | -                |
| CCA                           | EN 60947      | NTR NL 6912      | mity                                                       |          |                  |
| DEKRA Certification B.V.      |               |                  | WAGO GmbH & Co. KG                                         |          |                  |
| CCA                           | EN 60947      | 2146425.01       | UK-Declaration of Confor-                                  | -        | -                |
| DEKRA Certification B.V.      |               |                  | mity                                                       |          |                  |
| CSA                           | C22.2 No. 158 | 1505030          | WAGO GmbH & Co. KG                                         |          |                  |
| DEKRA Certification B.V.      |               |                  |                                                            |          |                  |
| ENEC 15                       | EN 60998      | 143856-01        |                                                            |          |                  |
| UL International Germany GmbH |               |                  |                                                            |          |                  |
| UL                            | UL 1059       | E45172           |                                                            |          |                  |
| UL International Germany GmbH |               |                  |                                                            |          |                  |



Approvals for marine applications



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

Downloads

Environmental Product Compliance

| Compliance Search                         |
|-------------------------------------------|
| Environmental Product Compliance 862-1605 |

Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text        |
|-----------------|
| 862-1605        |
| 19.02.2019      |
| xml<br>3.72 KB  |
| 862-1605        |
| 12.06.2017      |
| doc<br>24.50 KB |

CAD/CAE-Data

| CAD data                 |
|--------------------------|
| 2D/3D Models<br>862-1605 |



| CAE data                      |
|-------------------------------|
| EPLAN Data Portal<br>862-1605 |
| WSCAD Universe<br>862-1605    |
| ZUKEN Portal<br>862-1605      |



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 mm² / 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 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

[Item No.: 216-242](#)  
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

[Item No.: 216-142](#)  
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



1.1.1.1 Ferrule



**Item No.: 216-243**  
Ferrule; Sleeve for 1 mm² / 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 mm² / 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 mm² / 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 mm² / 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

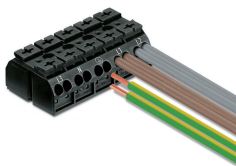
1.1.5 Tool

1.1.5.1 Operating tool



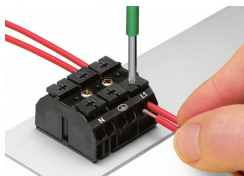
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

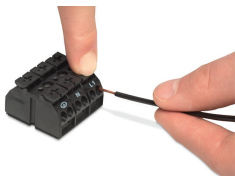


- Cost-effective features:**  
WAGO's 862 Series Chassis-Mount Terminal Strips were developed specifically to minimize wiring costs, while accommodating requirements for flexible mounting, multiple connection points and easy usage:
- Equipped with Push-in CAGE CLAMP®, the 862 Series connects up to four conductors sized 0.5 to 4 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.

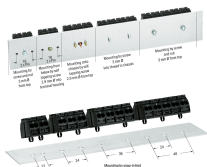
Commoning



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



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



Dimensions in mm

### Marking



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