

| : 862-1593

4-conductor chassis-mount terminal strip; without ground contact; PE-N-L1; 3-pole; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; black

<https://www.wago.com/862-1593>



: ■ black

Similar to illustration



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



Dimensions in mm  
for GND 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

|                                   |                    |                                                            |                                                                                                                                   |
|-----------------------------------|--------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Total number of connection points | 12                 | Connection 1                                               |                                                                                                                                   |
| Total number of potentials        | 3                  | Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| PE function                       | without PE contact | 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                                                | 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       | Ⓢ-N-L1                   |
| Mounting type | Snap-in foot at pos. 1+3 |

Material data

|                             |                                                                |
|-----------------------------|----------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material data can be found here</a> |
| Color                       | black                                                          |
| Material group              | I                                                              |
| Insulation material         | Polyamide (PA66)                                               |
| Flammability class per UL94 | V0                                                             |
| Fire load                   | 0.388 MJ                                                       |
| Halogen-free                | Yes                                                            |
| Weight                      | 20.7 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)                            | 250 Stück     |
| Packaging type                      | Bag           |
| Country of origin VKOrg Germany     | DE            |
| GTIN                                | 4044918509633 |
| Customs tariff number VKOrg Germany | 85369010000   |

## Approvals and certificates

| Country specific Approvals                                                       | Ship Approvals                                                                    |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |
| CCA<br>DEKRA Certification B.V.                                                  | LR<br>Lloyds Register                                                             |
| EN 60947                                                                         | EN 60947                                                                          |
| NTR NL 6912                                                                      | 91/20112 (E9)                                                                     |
| 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-Approvals

|                                                                                    |
|------------------------------------------------------------------------------------|
|  |
| UL<br>UL International Germany GmbH                                                |
| UL 1059                                                                            |
| E45172                                                                             |

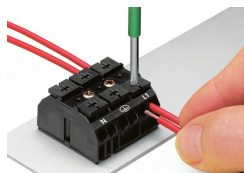
## Installation notes



### 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.



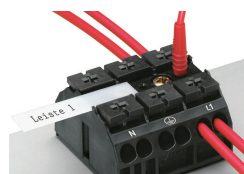
Inserting a conductor via push-button.

## Commoning



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

## Testing

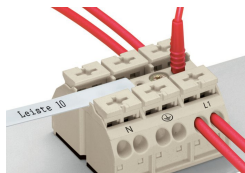


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

## Marking



Marking by direct, one-side printing and marking strips