

| : 862-593

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

<https://www.wago.com/862-593>



: ■ 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                 |
| Total number of potentials        | 3                  |
| 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                                                | 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       | plain                    |
| 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                      | 21.1 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)                            |  | 250 Stück     |
| Packaging type                      |  | Bag           |
| Country of origin VKOrg Germany     |  | DE            |
| GTIN                                |  | 4044918509244 |
| Customs tariff number VKOrg Germany |  | 85369010000   |

## Approvals and certificates

| Country specific Approvals                                                       |               |             | Ship Approvals                                                                     |          |               |
|----------------------------------------------------------------------------------|---------------|-------------|------------------------------------------------------------------------------------|----------|---------------|
|  |               |             |  |          |               |
| CCA<br>DEKRA Certification B.V.                                                  | EN 60947      | NTR NL 6912 | DNV GL<br>Det Norske Veritas, Germanischer Lloyd                                   | -        | TAE00001V2    |
| CCA<br>DEKRA Certification B.V.                                                  | EN 60947      | 2146425.01  | LR<br>Lloyds Register                                                              | EN 60947 | 91/20112 (E9) |
| 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 |

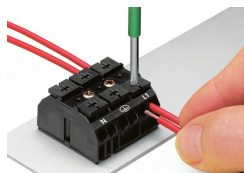
## Installation notes



### 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.



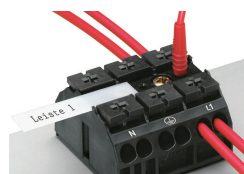
Inserting a conductor via push-button.

## 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