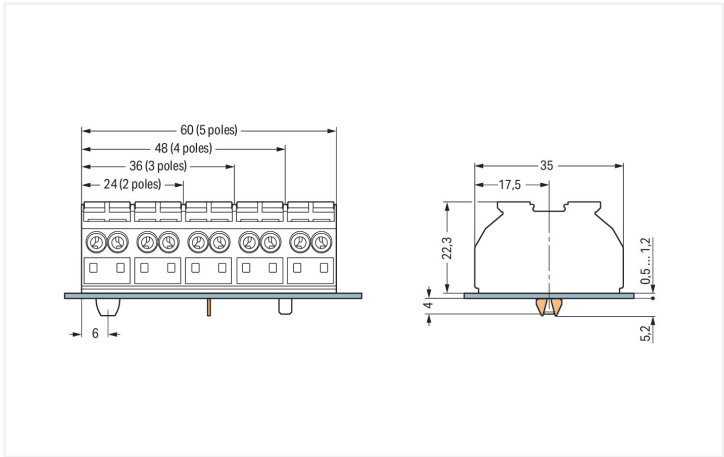


**Data Sheet | Item Number: 862-2503**  
4-conductor chassis-mount terminal strip; without ground contact; N-PE-L1; 3-po-  
le; for 3 mm ø screw and nut; 4 mm²; black  
<https://www.wago.com/862-2503>



Color: ■ black



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

Chassis-mount terminal strip, 862 Series, black

Our chassis-mount terminal strip (item number 862-2503) is designed for seamless electrical installations. Strip lengths must be between 10 and 11 mm when connecting conductors to this chassis-mount terminal strip. 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, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The item's dimensions are (36 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 mm² to 4 mm².

| Electrical data                           |                                                           |                     |                   |
|-------------------------------------------|-----------------------------------------------------------|---------------------|-------------------|
| Ratings per IEC/EN                        |                                                           | General information |                   |
| Nominal voltage (III/3)                   | 500 V                                                     | Wiring direction    | Side-entry wiring |
| Rated impulse withstand voltage (III / 3) | 6 kV                                                      |                     |                   |
| Rated current                             | 32 A                                                      |                     |                   |
| Legend (ratings)                          | (III / 3) Δ Overvoltage category III / Pollution degree 3 |                     |                   |

| Connection Data            |                    | Connection 1                                               |                                  |
|----------------------------|--------------------|------------------------------------------------------------|----------------------------------|
| Clamping units             | 12                 | Connection technology                                      | Push-in CAGE CLAMP®              |
| Total number of potentials | 3                  | Actuation type                                             | Push-button                      |
| PE function                | without PE contact | 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 ... 1.5 mm² / 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                    | 3                                                                                                                                 |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 12 mm / 0.472 inches   |
| Width                   | 36 mm / 1.417 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                              | black                                                                    |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.327 MJ                                                                 |
| Halogen-free                       | Yes                                                                      |
| Weight                             | 20.8 g                                                                   |

| Commercial data       |                           |
|-----------------------|---------------------------|
| Product Group         | 9 (Std Chassis Mt Blocks) |
| PU (SPU)              | 250 pcs                   |
| Packaging type        | Bag                       |
| Country of origin     | DE                        |
| GTIN                  | 4044918509916             |
| Customs tariff number | 85369010000               |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121410             |
| 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 | 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    | -        | -                |
| CSA<br>DEKRA Certification B.V.             | C22.2 No. 158 | 1505030          | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| ENEC 15<br>UL International Germany<br>GmbH | EN 60998      | 143856-01        |                                                            |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.       | EN 60947      | 2146425.01       |                                                            |          |                  |
| 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        |
| PRS<br>Polski Rejestr Statków                         | -        | TE/1094/880590/23 |

Downloads

| Environmental Product Compliance             |  |
|----------------------------------------------|--|
| Compliance Search                            |  |
| Environmental Product<br>Compliance 862-2503 |  |

Documentation

| Bid Text |            |                 |  |
|----------|------------|-----------------|--|
| 862-2503 | 19.02.2019 | xml<br>3.71 KB  |  |
| 862-2503 | 12.06.2017 | doc<br>24.50 KB |  |



| CAD/CAE-Data                                                          |                                                                            |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>862-2503</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal<br/>862-2503</div> <div>↓</div> |
|                                                                       | <div>WSCAD Universe<br/>862-2503</div> <div>↓</div>                        |
|                                                                       | <div>ZUKEN Portal<br/>862-2503</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

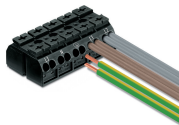
1.1.5.1 Operating tool



Item No.: 210-720

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

Installation Notes

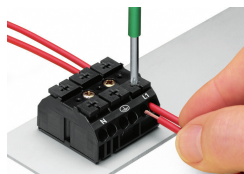


Cost-effective features:

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.



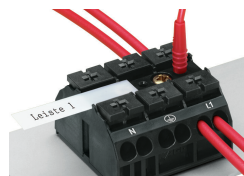
Inserting a conductor via push-button.

## Commoning

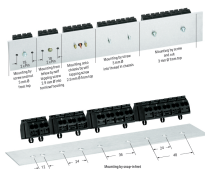


Commoning using a comb-style jumper bar (862-482).

## Testing

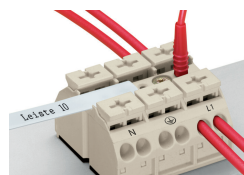


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

## Marking



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