

Data Sheet | Item Number: 862-1503/999-950

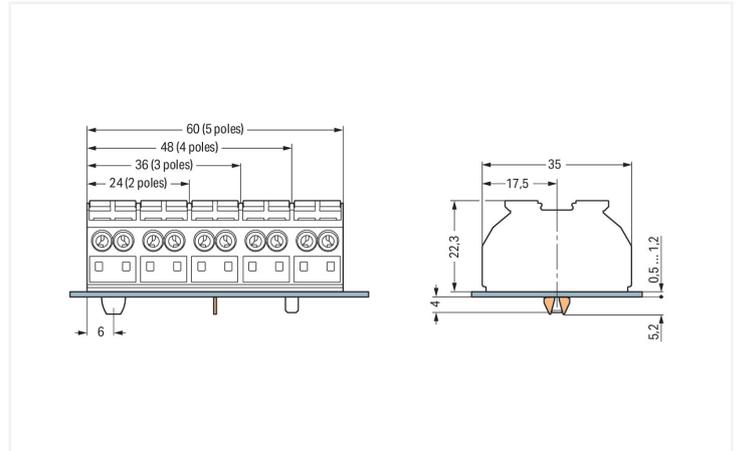
4-conductor chassis-mount terminal strip; suitable for Ex e II applications; without ground contact; PE-N-L1; 3-pole; for 3 mm \varnothing screw and nut; 4 mm²; 4,00 mm²; black

<https://www.wago.com/862-1503/999-950>



Color: ■ black

Similar to illustration



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

Chassis-mount terminal strip, 862 Series, Push-in CAGE CLAMP®

This chassis-mount terminal strip (item number 862-1503/999-950) simplifies electrical installations. Conductors should only be connected to this chassis-mount terminal strip if their strip length is between 10 mm and 11 mm. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector outperforms the competition. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. Depending on the conductor type, this chassis-mount terminal strip is designed for conductor cross sections ranging from 0.5 mm² to 4 mm². There are twelve clamping points available that you can use to connect three different potentials / three poles. The black housing is made of polyamide (PA66) for insulation.

Electrical data

Ex information

| | |
|----------------------------|-------|
| Rated voltage EN (Ex e II) | 440 V |
| Rated current (Ex e II) | 28 A |

Connection data

| | |
|----------------------------|--------------------|
| Clamping units | 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 mm ² / 20 ... 12 AWG |
| Solid conductor; push-in termination | 0.75 ... 4 mm ² / 18 ... 12 AWG |
| Stranded conductor | 0.5 ... 4 mm ² / 20 ... 12 AWG |
| Fine-stranded conductor | 0.5 ... 4 mm ² / 20 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 1.5 mm ² / 20 ... 16 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.75 ... 1.5 mm ² / 18 ... 16 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

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) | Information on material specifications can be found here |
| Color | black |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.433 MJ |
| Halogen-free | Yes |
| Weight | 20.5 g |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 250 pcs |
| Packaging type | Bag |
| Country of origin | DE |
| GTIN | 4045454789206 |
| 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 8.0 | 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 |
|---------------------------------|---------------|------------------|
| CSA DEKRA Certification B.V. | C22.2 No. 158 | 1505030 |

| Approval | Standard | Certificate Name |
|---|----------|------------------|
| ATEX-Attestation of Con- formity WAGO GmbH & Co. KG | - | - |

Approvals for hazardous areas



| Approval | Standard | Certificate Name |
|--|-------------|--|
| ATEX Physikalisch Technische Bundesanstalt (PTB) | - | PTB 03 ATEX 1189 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| CCC CNEX | GB/T 3836.3 | 2020312313000178 (Ex eb IIC Gb, Ex eb I Mb) |
| IECEX Physikalisch Technische Bundesanstalt | IEC 60079 | IECEX PTB 05.0003 U (Ex eb IIC Gb or Ex eb I Mb) |

Downloads

Environmental Product Compliance

| Compliance Search | |
|---|---|
| Environmental Product Compliance 862-1503/999-950 | ↓ |

Documentation

| Bid Text | | | |
|------------------|------------|-----------------|---|
| 862-1503/999-950 | 19.02.2019 | xml 3.77 KB | ↓ |
| 862-1503/999-950 | 12.06.2017 | doc 24.50 KB | ↓ |

CAD/CAE-Data

| CAD data | |
|----------------------------------|---|
| 2D/3D Models 862-1503/999-950 | ↓ |

| CAE data | |
|---------------------------------------|---|
| EPLAN Data Portal 862-1503/999-950 | ↓ |
| WSCAD Universe 862-1503/999-950 | ↓ |
| ZUKEN Portal 862-1503/999-950 | ↓ |

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



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; un-insulated; 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; un-insulated; 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

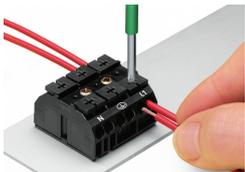


Cost-effective features:

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

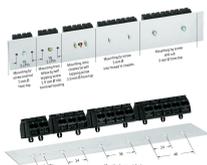


Commoning using a comb-style jumper bar (862-482).

Testing



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



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips