

Data sheet | Item number: 862-593

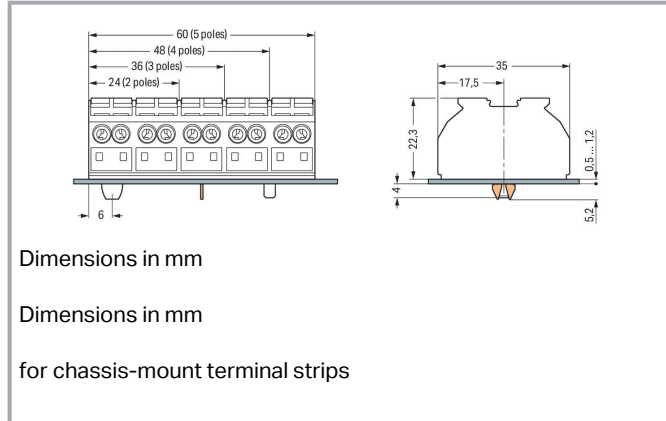
4-conductor chassis-mount terminal strip; without ground contact; 3-pole; 4 mm²; 4,00 mm²; black

www.wago.com/862-593



i Picture differs from the item.

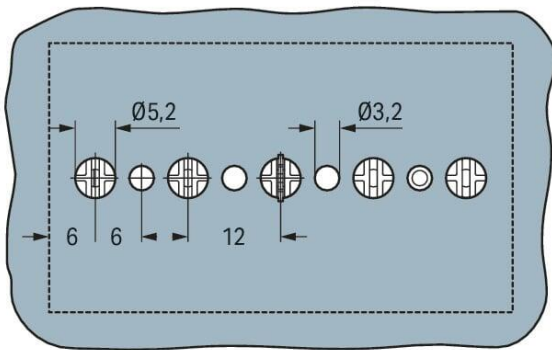
Color:



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)

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data

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) $\hat{=}$ Overvoltage category III / Pollution degree 3 |

Connection data

| | |
|----------------------------|--------------------|
| 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 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 mm ² / 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 |

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



Mechanical Data

| | |
|---------------|--------------------------|
| Marking | plain |
| Mounting type | Snap-in foot at pos. 1+3 |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | black |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.383 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 pcs |
| Packaging type | bag |
| Country of origin | DE |
| GTIN | 4044918509244 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|------|---------------------------------|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | EN 60947 | 2146425.01 |

Subject to changes. Please also observe the further product documentation!





| | | | |
|--|--|---------------|----------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 6912 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1505030 |
|  | ENEC 15 UL International Germany GmbH | EN 60998 | 143856-01 |
|  | UL UL International Germany GmbH | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
|  | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|---|--|--------------------------|------------------|
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
|  | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

Optional accessories

Marking accessories

Marking strip



Item no.: 709-178

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; white

www.wago.com/709-178



Item no.: 709-177

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type; translucent

www.wago.com/709-177

Tool

Operating tool



Item no.: 210-720

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

www.wago.com/210-720

Jumpers

Jumper



Item no.: 862-482

Jumper; for conductor entry; insulated; black

www.wago.com/862-482

Ferrule

Ferrule



Item no.: 216-142

Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

www.wago.com/216-142



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

www.wago.com/216-143



Item no.: 216-141

Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

www.wago.com/216-141



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

www.wago.com/216-144



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

www.wago.com/216-241



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

www.wago.com/216-242

Item no.: 216-243

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27


32423 Minden


Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-243
acc. to DIN 46228, Part 4/09.90; red

 **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 www.wago.com/216-244

Testing and measuring

Testing accessories

 **Item no.: 210-136**
Test plug; 2 mm Ø; with 500 mm cable; red www.wago.com/210-136

Downloads

Documentation

Bid Text

| | | | |
|------------------------|-------------|----------------|----------|
| 862-593 X81 - Datei | 2019 Feb 19 | xml 3.7 kB | Download |
| 862-593 doc - Datei | 2017 Jun 13 | doc 25.6 kB | Download |

Additional Information

| | | | |
|---|--|---------------|----------|
| Technical Section Technical explanations | | pdf 2.2 MB | Download |
|---|--|---------------|----------|

CAD/CAE-Data

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 862-593 | | URL | Download |
| WSCAD Universe 862-593 | | URL | Download |
| ZUKEN Portal 862-593 | | URL | Download |

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 862-593 | | URL | Download |
|----------------------|--|-----|----------|

Environmental Product Compliance

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Compliance Search

Environmental Product Compliance 862-593

URL

Download

4-conductor chassis-mount terminal strip; without ground contact; 3-pole; 4 mm²;
4,00 mm²; black

Installation Notes

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

Hansastr. 27

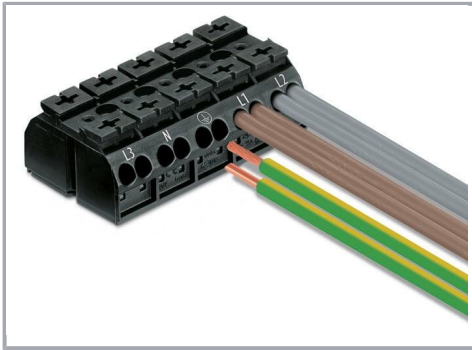
32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



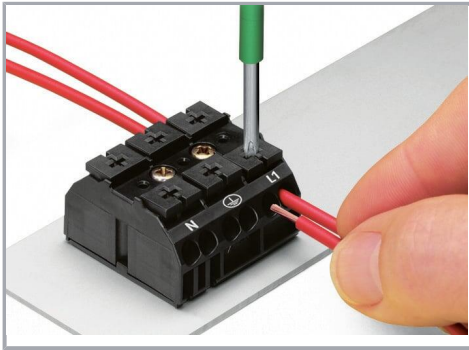
Cost-effective features:

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:

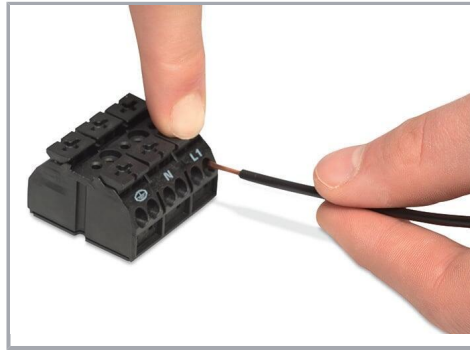
- Equipped with Push-in CAGE CLAMP®, the 862 Series connects up to four conductors sized 0.5 to 4 mm² (20 ... 12 AWG). Due to multiple connection points per pole, different conductor sizes can be used within the same terminal block position.
- For factory wiring, Push-in CAGE CLAMP® Connection Technology 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

Subject to changes. Please also observe the further product documentation!



Terminating four conductors per pole – solid and fine-stranded.



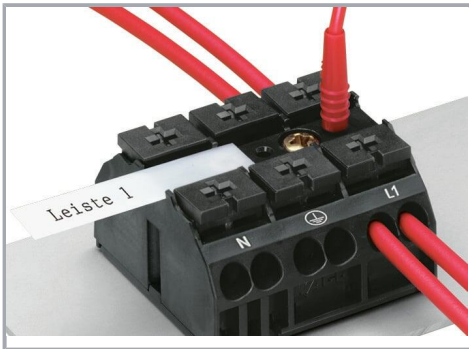
Inserting a conductor via push-button.

Commoning



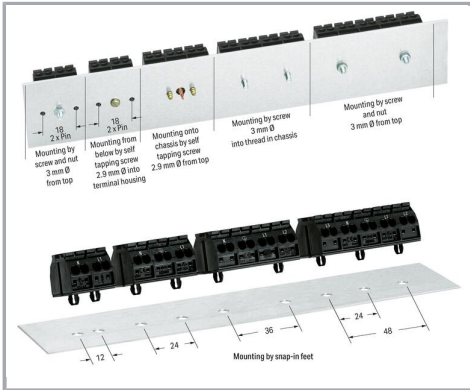
Commoning using a comb-style jumper bar (862-482).

Testing



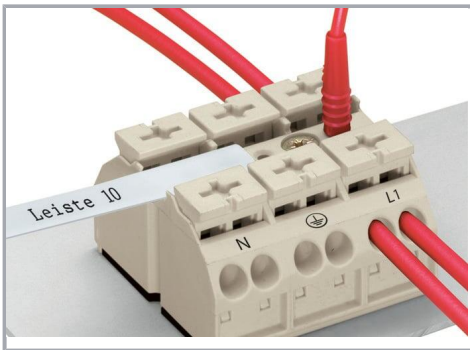
Testing with a 2 mm Ø test plug (max. 42 V).

Subject to changes. Please also observe the further product documentation!



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips

Subject to changes. Please also observe the further product documentation!