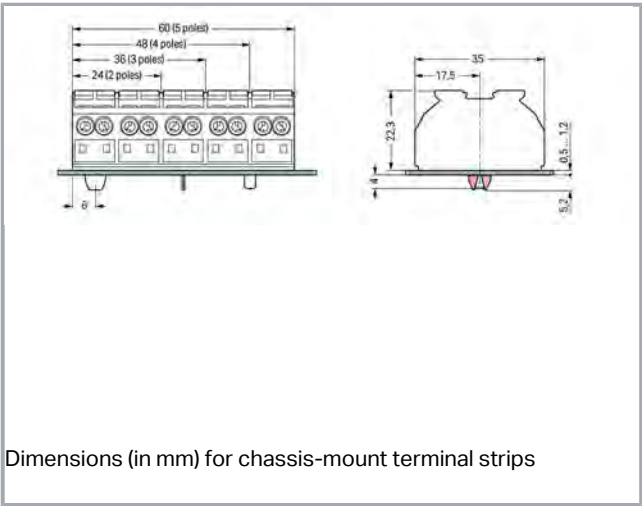


**Data sheet | Item number: 862-8593**  
4-conductor chassis-mount terminal strip; 3-pole; N-PE-L1; with ground contact; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; black



Dimensions (in mm) for chassis-mount terminal strips

**Data**  
**Electrical data**

**Ratings per IEC/EN 60664-1**

Nominal voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	III / 3) ≙ Overvoltage category III / Pollution degree 3

**Connection data**

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-button

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



Connectable conductor materials	Copper
Solid conductor	0,5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Solid conductor; push-in termination	0,75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
Stranded conductor	0,5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor	0,5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0,5 ... 2,5 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor; with ferrule; push-in termination	0,75 mm <sup>2</sup> / 18 AWG
Strip length	10 ... 11 mm / 0.39 ... 0.43 inch
Pole No.	3
Total number of connection points	12
Total number of potentials	3
Wiring type	Side-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.

## Geometrical Data

Pin spacing	12 mm / 0.472 inch
Width	36 mm / 1.417 inch
Height from the surface	22,3 mm / 0.878 inch
Depth	35 mm / 1.378 inch

## Mechanical data

Mounting type	Snap-in mounting foot
Marking	N-PE-L1

## Material Data

Color	black
Fire load	0.388 MJ
Weight	21.2 g


## Commercial data

Packaging type	bag
Country of origin	DE
GTIN	4044918510509
Customs tariff number	85369010000



## Approvals / Certificates

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


## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL 6912
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	2146425.01
	<b>CSA</b> DEKRA Certification B.V.	C22.2 No. 158	1505030
	<b>ENEC 15</b> UL International Germany GmbH	EN 60998	143856-01

## Ship Approvals

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

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1059	20190731- E45172

## Counterpart

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

## Compatible products

### Marking accessories



**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

### ferrule



**Item no.: 216-141**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item no.: 216-142**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item no.: 216-143**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item no.: 216-144**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item no.: 216-241**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item no.: 216-242**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item no.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item no.: 216-244**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

### tools



**Item no.: 210-720**

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

### Jumper



**Item no.: 862-482**

Comb-style jumper bar; for conductor entry; insulated; terminated conductor entry; black

### check

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



**Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

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**Item no.: 210-137**

Test plug; 2.3 mm Ø; with 500 mm cable; yellow

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## Downloads

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

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## CAD/CAE-Data

### CAD data

2D/3D Models 862-8593

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### CAE data

EPLAN Data Portal 862-8593

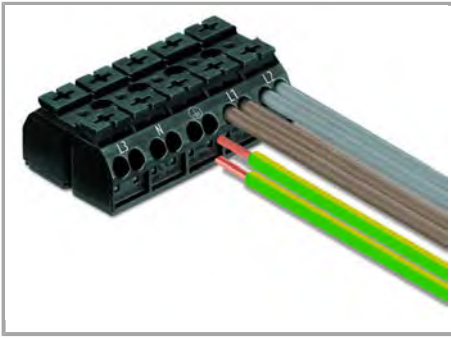
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WSCAD Universe 862-8593

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## Installation Notes

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



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

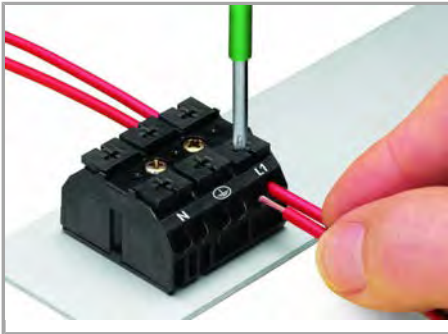


#### Cost-effective features:

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 handling:

- Equipped with Push-in CAGE CLAMP®, the 862 Series connects up to four conductors sized 0.5 ... 4 mm<sup>2</sup> (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 mm<sup>2</sup> (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.
- 
- Flexible marking options with standard marking (pre-marked), marking strip or custom marked for large orders
- 

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



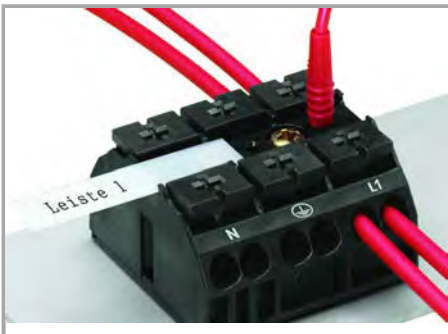
Terminating four conductors per pole – solid and fine-stranded.



Inserting a conductor via push-button.



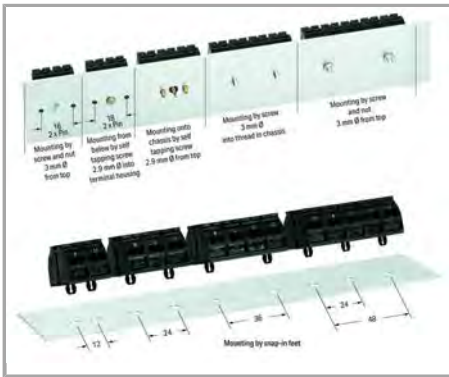
Commoning using a comb-style jumper bar (862-482).



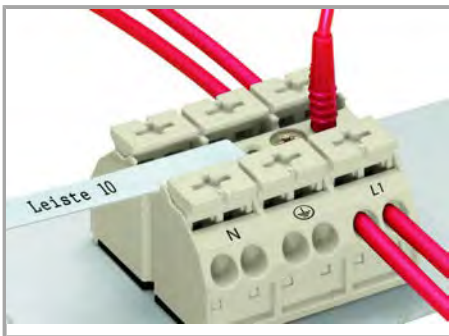
Testing with a 2 mm Ø test plug.

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





Dimensions in mm



Marking by direct, one-side printing and/or marker strips

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