

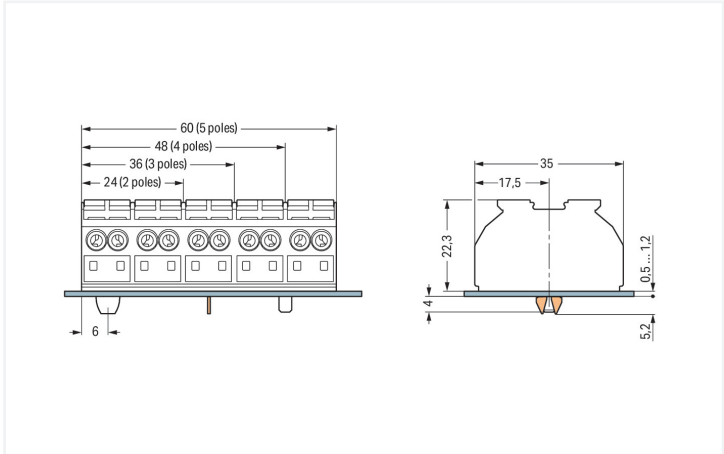
Data Sheet | Item Number: 862-9503

4-conductor chassis-mount terminal strip; with ground contact; PE-N-L1; 3-pole; for 3 mm Ø screw and nut; 4 mm²; black

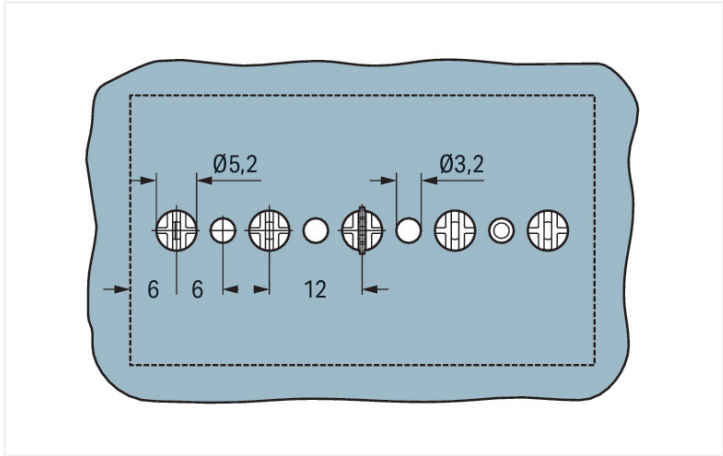
<https://www.wago.com/862-9503>



Color: ■ black



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



Dimensions in mm for PE contact and snap-in mounting foot (Ø 5.2 mm)

Chassis-mount terminal strip, 862 Series, black

Easy electrical installations are guaranteed with this chassis-mount terminal strip (item number 862-9503). Ensure that the strip lengths are 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®. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The 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) ≙ Overvoltage category III / Pollution degree 3		

Connection Data		
Clamping units	12	
Total number of potentials	3	
PE function	with ground 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 ferule	0.5 ... 1.5 mm² / 20 ... 16 AWG	
Fine-stranded conductor; with ferrule; push-in termination	0.75 ... 1.5 mm² / 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	0.327 MJ	
Halogen-free	Yes	
Weight	21.4 g	

Commercial data		
Product Group	9 (Std Chassis Mt Blocks)	
PU (SPU)	250 pcs	
Packaging type	Bag	
Country of origin	DE	
GTIN	4044918510806	
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									
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									
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2146425.01									
UL UL International Germany GmbH	UL 1059	E45172									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Conformity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
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UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-									

Approvals for marine applications		
		
Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 862-9503

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Documentation			
Bid Text			
862-9503	12.06.2017	doc 24.50 KB	↓
862-9503	19.02.2019	xml 3.71 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 862-9503

↓

CAE data

EPLAN Data Portal 862-9503

↓

WSCAD Universe 862-9503

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ZUKEN Portal 862-9503

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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; uninsulated; 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; uninsulated; 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; uninsulated; 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; uninsulated; 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

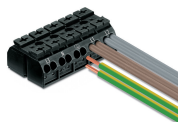
1.1.5 Tool

1.1.5.1 Operating tool



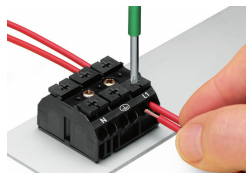
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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 ferules 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.

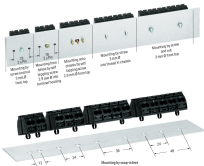
Commoning

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

Testing

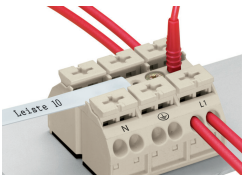


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips