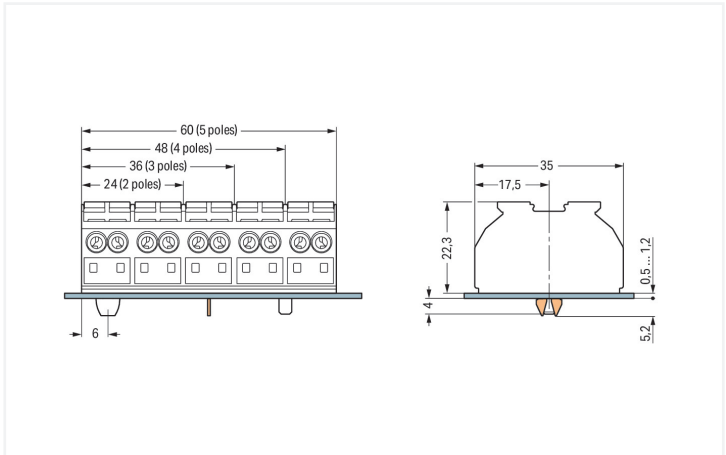
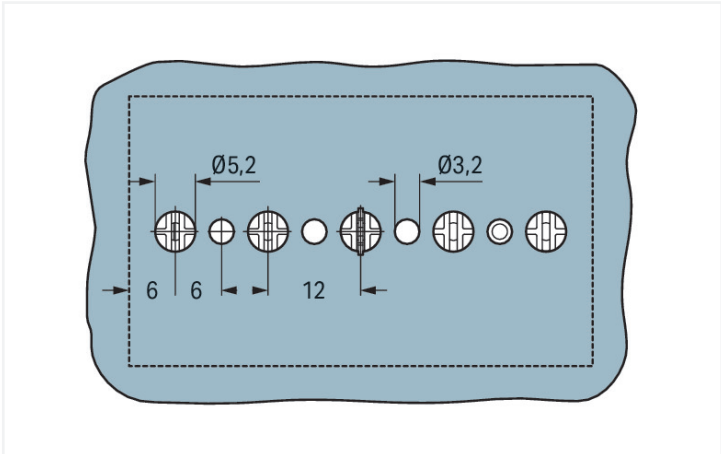




Color: ■ black



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, Push-in CAGE CLAMP®

Our chassis-mount terminal strip (item number 862-9503) simplifies electrical installations. Strip lengths must be between 10 mm 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, offering a key advantage: 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. This chassis-mount terminal strip is suitable for conductor cross sections ranging from 0.5 mm² to 4 mm². Up to three potentials / three poles can be connected to this terminal strip using twelve clamping points. The black housing is made of polyamide (PA66) for insulation.

Electrical data	
Ratings per IEC/EN	
Nominal voltage (III/3)	500 V
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	<div>Connection 1</div> <div>Connection technology</div> <div>Push-in CAGE CLAMP®</div> <div>Actuation type</div> <div>Push-button</div> <div>Connectable conductor materials</div> <div>Copper</div> <div>Solid conductor</div> <div>0.5 ... 4 mm² / 20 ... 12 AWG</div> <div>Solid conductor; push-in termination</div> <div>0.75 ... 4 mm² / 18 ... 12 AWG</div> <div>Stranded conductor</div> <div>0.5 ... 4 mm² / 20 ... 12 AWG</div> <div>Fine-stranded conductor</div> <div>0.5 ... 4 mm² / 20 ... 12 AWG</div> <div>Fine-stranded conductor; with insulated ferrule</div> <div>0.5 ... 1.5 mm² / 20 ... 16 AWG</div> <div>Fine-stranded conductor; with ferrule; push-in termination</div> <div>0.75 ... 1.5 mm² / 18 ... 16 AWG</div> <div>Note (conductor cross-section)</div> <div>Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.</div> <div>Strip length</div> <div>10 ... 11 mm / 0.39 ... 0.43 inches</div> <div>Pole number</div> <div>3</div> <div>Wiring direction</div> <div>Side-entry wiring</div>
Total number of potentials	3	
PE function	with ground contact	
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	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 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									
<div></div>											
Approval	Standard	Certificate Name									
CCA DEKRA Certification B.V.	EN 60947	NTR NL 6912									
CCA DEKRA Certification B.V.	EN 60947	2146425.01									
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									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Approval	Standard	Certificate Name									
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									

Approvals for marine applications		
<div></div>		
Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	91/20112 (E9)

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 862-9503	



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
ZUKEN Portal 862-9503

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

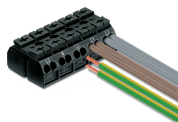
1.1.5 Tool

1.1.5.1 Operating tool



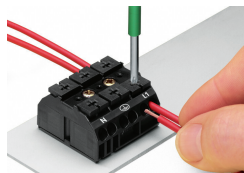
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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.

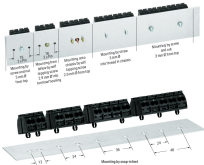
Commoning

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

Testing

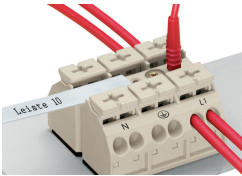


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips