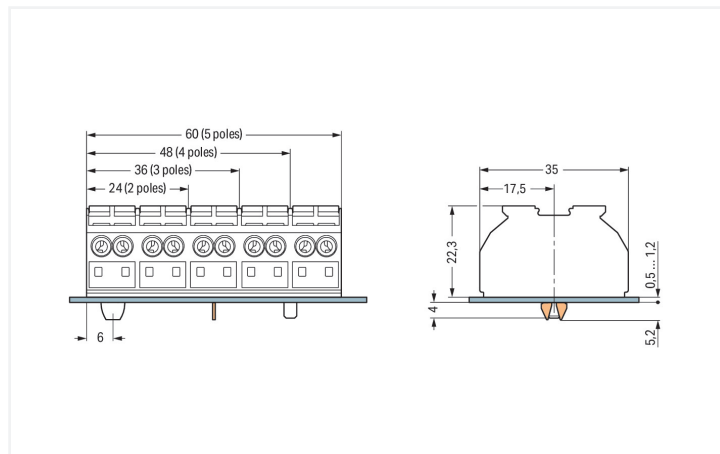


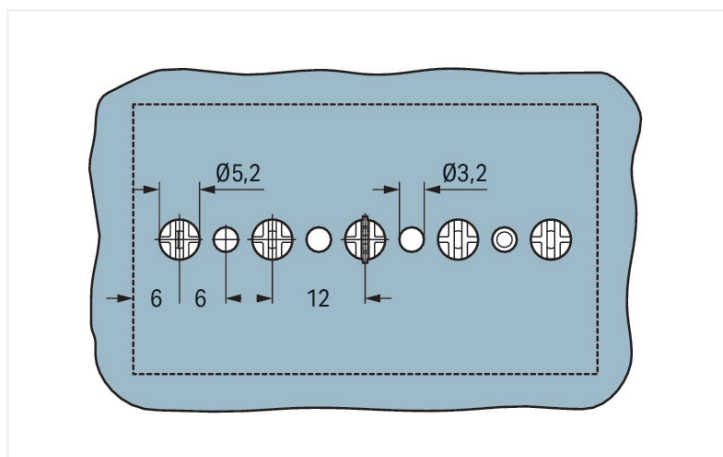
4-conductor chassis-mount terminal strip; suitable for Ex e II applications; without ground contact; PE-N-L1; 3-pole; 4 mm²; 4,00 mm²; black



Similar to illustration



Dimensions in mm for chassis-mount terminal strips



Chassis-mount terminal strip, 862 Series, black

This chassis-mount terminal strip (item number 862-1593/999-950) provides seamless electrical installations. Strip lengths must be 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®. 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. The item's dimensions are (36 x 27.5 x 35) mm (width x height x depth). Depending on the conductor type, this chassis-mount terminal strip is suitable for conductor cross sections ranging from 0.5 mm² to 4 mm².

Wiring direction Side-entry wiring



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 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 ferrule	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	Snap-in mounting foot at position 1+3	

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	0.332 MJ	
Halogen-free	Yes	
Weight	20.7 g	

Commercial data		
PU (SPU)	250 pcs	
Packaging type	Bag	
Country of origin	DE	
GTIN	4045454804145	
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
CSA DEKRA Certification B.V.	C22.2 No. 158	1505030
		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 862-1593/999-950	



Documentation

Bid Text			
862-1593/999-950	19.02.2019	xml 3.68 KB	
862-1593/999-950	13.06.2017	doc 25.00 KB	

CAD/CAE-Data

CAD data
2D/3D Models 862-1593/999-950

CAE data
EPLAN Data Portal 862-1593/999-950
WSCAD Universe 862-1593/999-950
ZUKEN Portal 862-1593/999-950

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

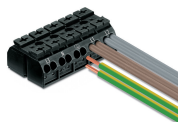
1.1.5 Tool

1.1.5.1 Operating tool



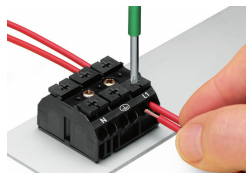
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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).

Dimensions in mm

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

Current addresses can be found at: www.wago.com