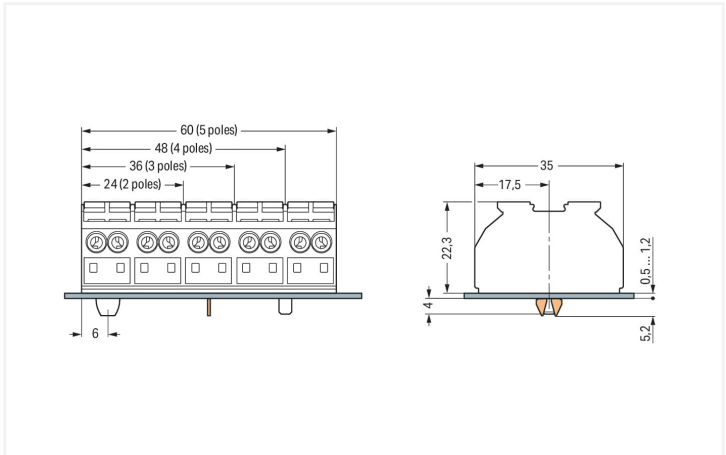




Color: ■ black

Similar to illustration



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

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) Δ Overvoltage category III / Pollution degree 3

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"
Ratings per	ATEX: PTB 03 ATEX 1189 U
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	28 A

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 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 mm² / 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

Mechanical data	
Marking	plain
Mounting type	Screw mount

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	0.433 MJ
Halogen-free	Yes
Weight	20.5 g

Commercial data	
PU (SPU)	250 pcs
Country of origin	DE
GTIN	4055143320900
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Approvals for hazardous areas		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1505030	ATEX Physikalisch Technische Bundesanstalt	EN 60079	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)



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
862-503/999-950

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

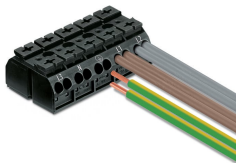
1.1.5 Tool

1.1.5.1 Operating tool



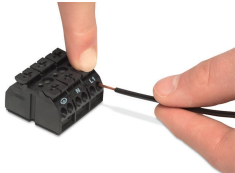
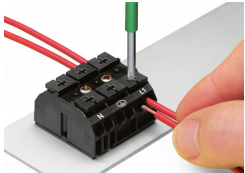
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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

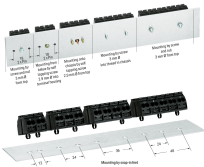


Commoning using a comb-style jumper bar (862-482).

Testing

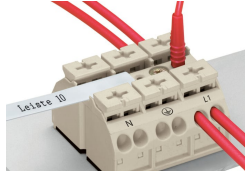


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips