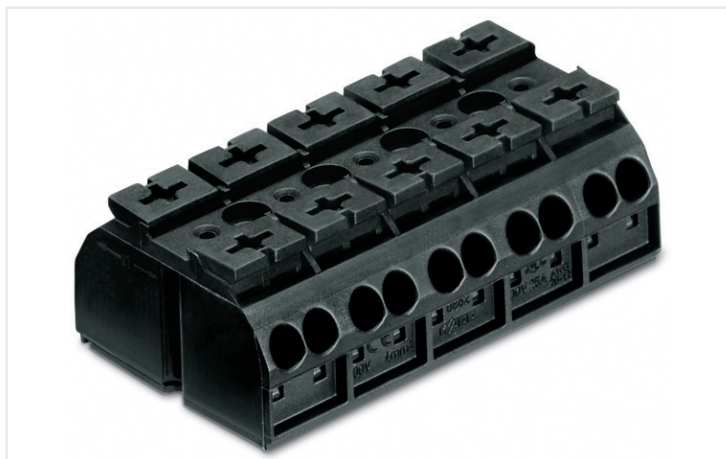


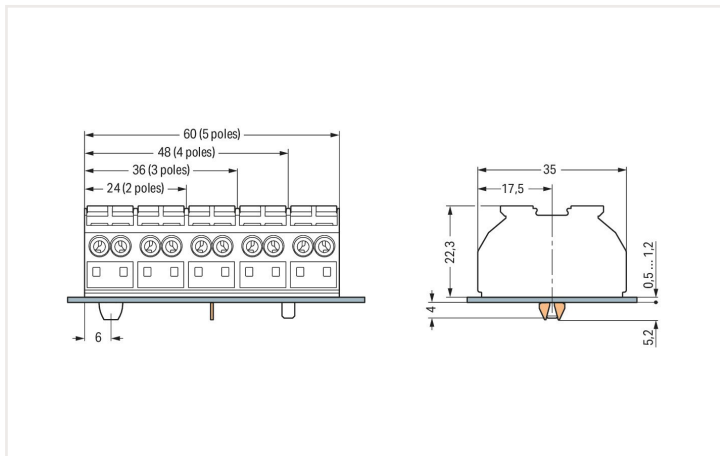
Data sheet | Item number: 862-505

4-conductor chassis-mount terminal strip; without ground contact; 5-pole; for 3 mm $\varnothing$ screw and nut; 4 mm²; 4,00 mm²; black

<https://www.wago.com/862-505>



Color:  black



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) ≙ Overvoltage category III / Pollution degree 3

Connection data

Total number of connection points	20
Total number of potentials	5
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 inch
Pole number	5
Wiring direction	Side-entry wiring

Physical data

Pin spacing	12 mm / 0.472 inch
Width	60 mm / 2.362 inch
Height from the surface	22.3 mm / 0.878 inch
Depth	35 mm / 1.378 inch

Mechanical data

Marking	plain
Mounting type	Screw mount

Material data

Note (material data)	Information on material data can be found here
Color	black
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.641 MJ
Halogen-free	Yes
Weight	34.1 g



Commercial data	
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 7.0	EC001284
ETIM 6.0	EC001284
PU (SPU)	200 Stück
Packaging type	Bag
Country of origin VKOrg Germany	DE
GTIN	4044918509060
Customs tariff number VKOrg Germany	85369010000

Approvals / Certificates

Country specific Approvals			Ship Approvals		
Approval	Standard	Certificate name	Approval	Standard	Certificate name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 6912	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
CCA DEKRA Certification B.V.	EN 60947	2146425.01	LR Lloyds Register	EN 60947	91/20112 (E9)
CSA DEKRA Certification B.V.	C22.2 No. 158	1505030			
ENEC 15 UL International Germany GmbH	EN 60998	143856-01			

UL-Approvals

Approval	Standard	Certificate name
UL UL International Germany GmbH	UL 1059	E45172

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 862-505	



Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2142.18 KB	862-505	19.02.2019
		xml	3.72 KB
		862-505	12.06.2017
		doc	24.50 KB

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 862-505	EPLAN Data Portal 862-505
	WSCAD Universe 862-505
	ZUKEN Portal 862-505

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

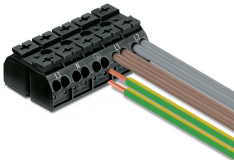
1.1.5 Tool

1.1.5.1 Operating tool



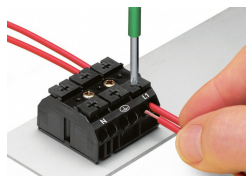
Item no.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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.



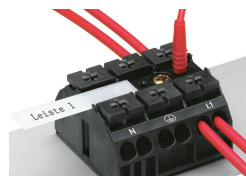
Inserting a conductor via push-button.

Commoning

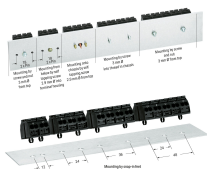


Commoning using a comb-style jumper bar (862-482).

Testing

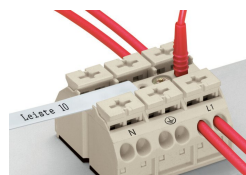


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips