

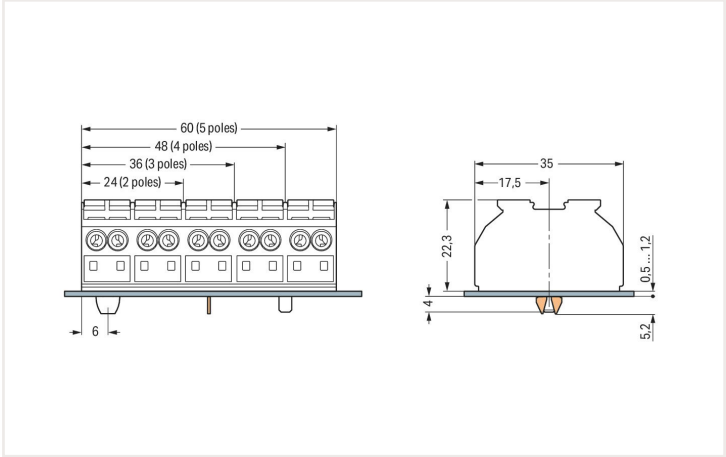
| : 862-2503

4-conductor chassis-mount terminal strip; without ground contact; N-PE-L1; 3-pole; for 3 mm Ø screw and nut; 4 mm²; 4,00 mm²; black

<https://www.wago.com/862-2503>



: ■ 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	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	N-⊕-L1
Mounting type	Screw mount

Material data

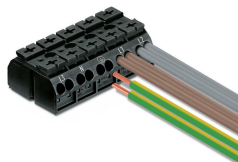
Note (material data)	Information on material data can be found here
Color	black
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.383 MJ
Halogen-free	Yes
Weight	20.8 g

Commercial data	
Product Group	9 (Std. Chassis Mt. Blocks)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	250 Stück
Packaging type	Bag
Country of origin VKOrg Germany	DE
GTIN	4044918509916
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates	
Country specific Approvals	Ship Approvals
	
	
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
DNV GL Det Norske Veritas, Germanischer Lloyd	- TAE00001V2
LR Lloyds Register	EN 60947 91/20112 (E9)

UL-Approvals	
	
UL UL International Germany GmbH	UL 1059 E45172

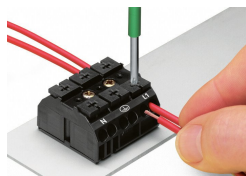
Installation notes



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.



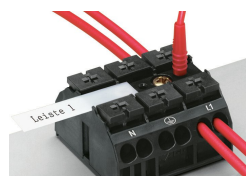
Inserting a conductor via push-button.

Commoning

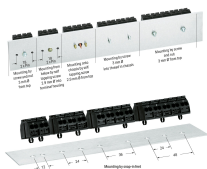


Commoning using a comb-style jumper bar (862-482).

Testing

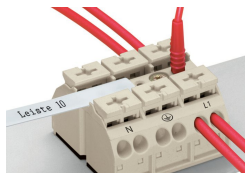


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips