Data sheet | Item number: 862-504
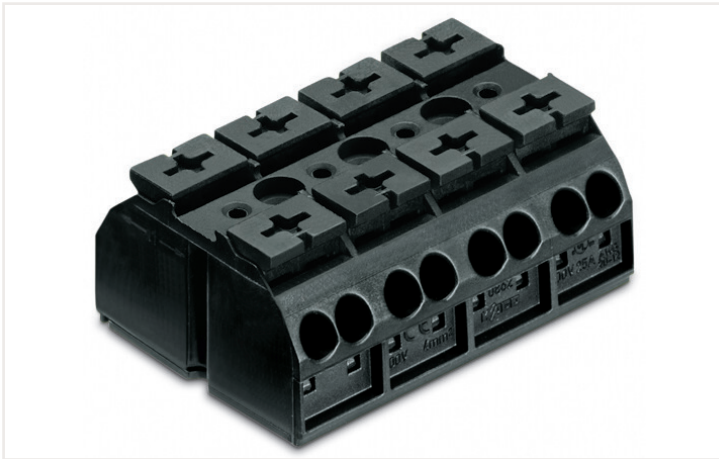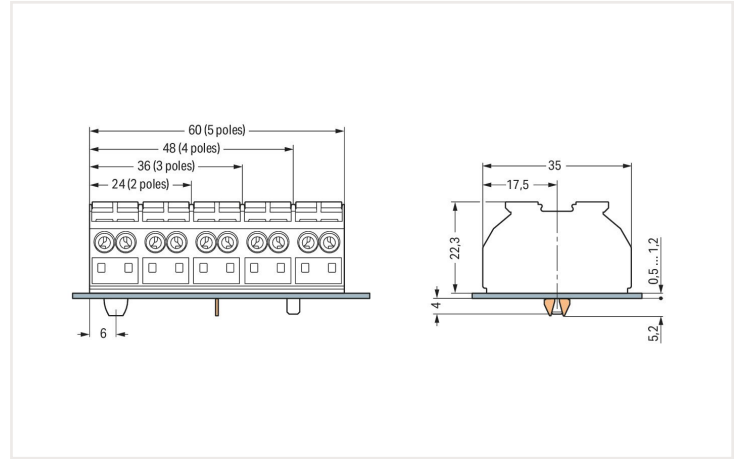
4-conductor chassis-mount terminal strip; without ground contact; 4-pole; for 3 mm ø screw and nut; 4 mm²; 4,00 mm²; black

https://www.wago.com/862-504

Color: ■ black

Dimensions in mm

Dimensions in mm

for chassis-mount terminal strips

Version 09.03.2022

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	16
Total number of potentials	4
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	4
Wiring direction	Side-entry wiring

Physical data

Pin spacing	12 mm / 0.472 inch
Width	48 mm / 1.89 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	0.501 MJ
Halogen-free	Yes
Weight	27.3 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	4045454750268
Customs tariff number VKOrg Germany	85369010000

Approvals / Certificates

Country specific Approvals

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

Ship Approvals

Approval	Standard	Certificate name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 862-504	↓

Documentation

Additional Information

Technical Section		pdf 2142.18 KB	↓

Bid Text

862-504	19.02.2019	xml 3.72 KB	↓
862-504	12.06.2017	doc 24.50 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 862-504	↓

CAE data

EPLAN Data Portal 862-504	↓
WSCAD Universe 862-504	↓
ZUKEN Portal 862-504	↓

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; uninsulated; 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; uninsulated; 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; uninsulated; 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; uninsulated; 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
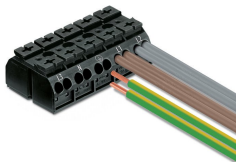
1.1.5 Tool

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
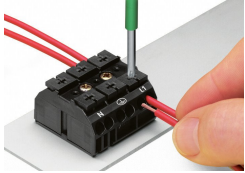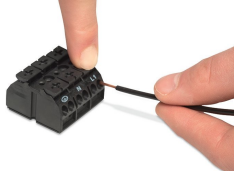
Installation notes

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 assemblyPush-buttons for easy installation with an operating tool or by handBuilt-in test points simplify testing with 2 mm Ø test plugStandard marking for each pole, or custom marking for large orders

Conductor termination

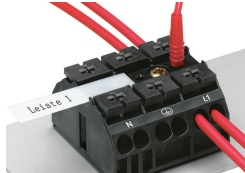Terminating four conductors per pole – solid and fine-stranded.

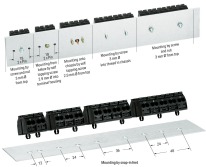Inserting a conductor via push-button.

Commoning

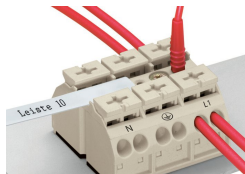Commoning using a comb-style jumper bar (862-482).

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

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

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