Data Sheet | Item Number: 862-1593

4-conductor chassis-mount terminal strip; without ground contact; PE-N-L1; 3-pole; 4 mm²; black
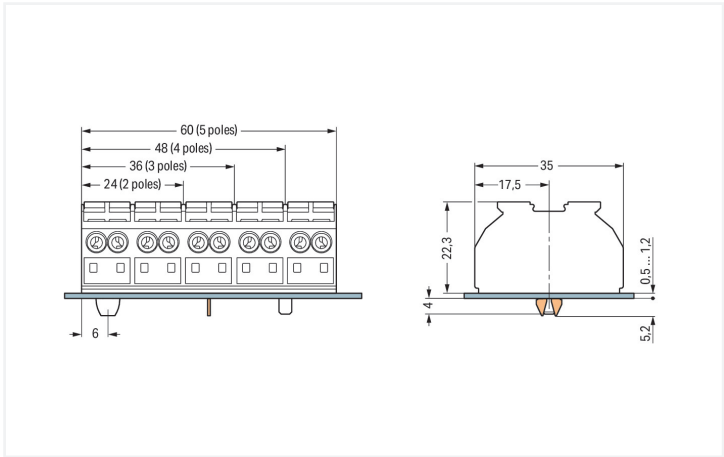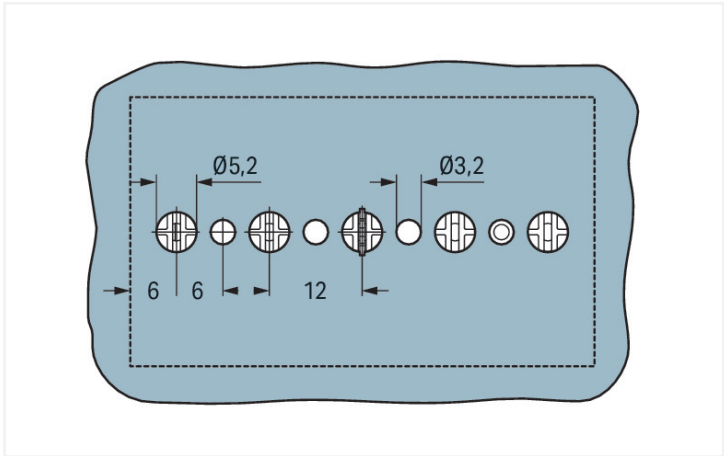
https://www.wago.com/862-1593

Color: ■ black

Similar to illustration

Dimensions in mm
Dimensions in mmfor chassis-mount terminal strips

Dimensions in mmfor PE contact and snap-in mounting foot (Ø 5.2 mm)

Chassis-mount terminal strip, 862 Series, push-button

This chassis-mount terminal strip (item number 862-1593) provides fault-free electrical installations. Strip lengths must be between 10 and 11 mm when connecting conductors to this chassis-mount terminal strip. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector delivers reliable performance. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Dimensions: (36 x 27.5 x 35) mm (width x height x depth). Depending on the type of conductor, this chassis-mount terminal strip is designed for conductor cross sections ranging from 0.5 mm² to 4 mm².

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	500 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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	0.438 MJ
Halogen-free	Yes
Weight	20.7 g

Commercial data

PU (SPU)	250 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4044918509633
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 8.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General 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
UL UL International Germany GmbH	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 862-1593	↓

Documentation

Bid Text

862-1593	19.02.2019	xml 3.62 KB	↓
862-1593	13.06.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 862-1593	↓	EPLAN Data Portal 862-1593	↓
		WSCAD Universe 862-1593	↓
		ZUKEN Portal 862-1593	↓

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
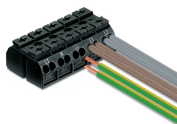Test plug; 2 mm Ø; with 500 mm cable; red

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
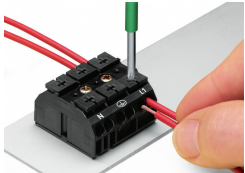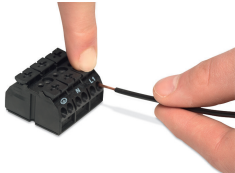partially insulated shaft; multicoloured

Installation Notes

Cost-effective features:
WAGO's 862 Series Chassis-Mount Termi-
nal Strips were developed specifically to
minimize wiring costs, while accommoda-
ting requirements for flexible mounting,
multiple connection points and easy usa-
ge:

- Equipped with Push-in CAGE CLAMP®,
  the 862 Series connects up to four con-
  ductors 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 conduc-
  tors with ferrules or ultrasonically bon-
  ded conductors from 0.5 ... 4 mm² (20 ...
  12 AWG) to be terminated by simply pu-
  shing them into unit (length of bonded
  conductor end: min. 10 mm).
- Convenient automatic grounding con-
  tact (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 cu-
  stom marking for large orders
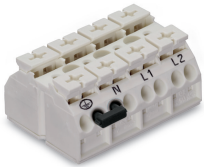
Conductor termination

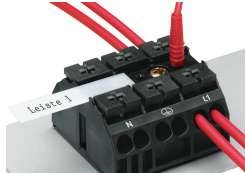Terminating four conductors per pole – solid and fine-stranded.

Inserting a conductor via push-button.
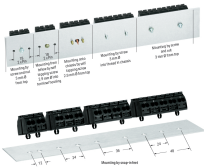
Commoning

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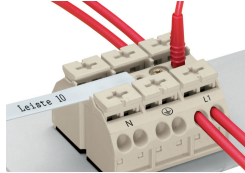
Testing

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