

# Data Sheet | Item Number: 862-1694/999-950

4-conductor chassis-mount terminal strip; suitable for Ex e II applications; without ground contact; PE-N-L1-L2; 4-pole; 4 mm<sup>2</sup>; 4,00 mm<sup>2</sup>; white

<https://www.wago.com/862-1694/999-950>



Color: ■ white

Similar to illustration

Dimensions in mm

Dimensions in mm for chassis-mount terminal strips



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

Chassis-mount terminal strip, 862 Series, with 12 mm pin spacing

Our chassis-mount terminal strip (item number 862-1694/999-950) simplifies electrical installations. Conductors can only be connected to this chassis-mount terminal strip if their strip length is between 10 and 11 mm. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without the need for tools—all thanks to its pluggable design. The dimensions are (48 x 27.5 x 35) mm (width x height x depth). Depending on the type of conductor, this chassis-mount terminal strip is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>.

## Electrical data

### Ex information

Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	28 A

### General information

Wiring direction	Side-entry wiring
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## Connection Data

Clamping units	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 mm <sup>2</sup> / 20 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG
Stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 ... 1.5 mm <sup>2</sup> / 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	4
Wiring direction	Side-entry wiring

## Physical data

Pin spacing	12 mm / 0.472 inches
Width	48 mm / 1.89 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-L2
Mounting type	Snap-in mounting foot at position 1+4

## Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	white
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.425 MJ
Halogen-free	Yes
Weight	27.3 g

## Commercial data

PU (SPU)	200 pcs
Packaging type	Bag
Country of origin	DE
GTIN	4045454803568
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 10.0	EC001284
ECCN	NO US CLASSIFICATION

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	1505030

Approval	Standard	Certificate Name
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-

**Approvals for hazardous areas**



Approval	Standard	Certificate Name
ATEX Physikalisch Technische Bundesanstalt (PTB)	-	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)
IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 05.0003 U (Ex eb IIC Gb or Ex eb I Mb)

**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>	
Environmental Product Compliance 862-1694/999-950	

Documentation

Bid Text			
862-1694/999-950	19.02.2019	xml 3.68 KB	
862-1694/999-950	13.06.2017	doc 25.00 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 862-1694/999-950	EPLAN Data Portal 862-1694/999-950
	WSCAD Universe 862-1694/999-950
	ZUKEN Portal 862-1694/999-950

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

<b>Item No.: 216-241</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	<b>Item No.: 216-141</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<b>Item No.: 216-242</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<b>Item No.: 216-142</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
<b>Item No.: 216-243</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<b>Item No.: 216-143</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<b>Item No.: 216-244</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	<b>Item No.: 216-144</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / 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



<b>Item No.: 862-482</b> Jumper; for conductor entry; insulated; black
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### 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 cent

### 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 mm<sup>2</sup> (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 mm<sup>2</sup> (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.

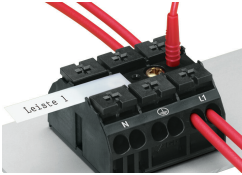


Inserting a conductor via push-button.

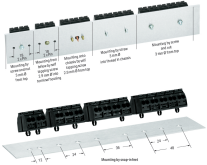
**Commoning**

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

## Testing

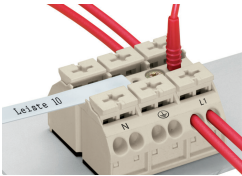


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

## Marking



Marking by direct, one-side printing and marking strips