

Data Sheet | Item Number: 862-8525

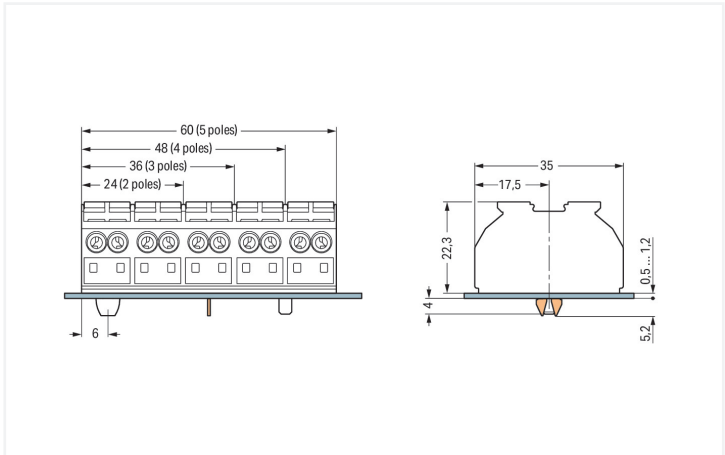
4-conductor chassis-mount terminal strip; with ground contact; L3-N-PE-L1-L2; 5-pole; 4 mm²; black

<https://www.wago.com/862-8525>

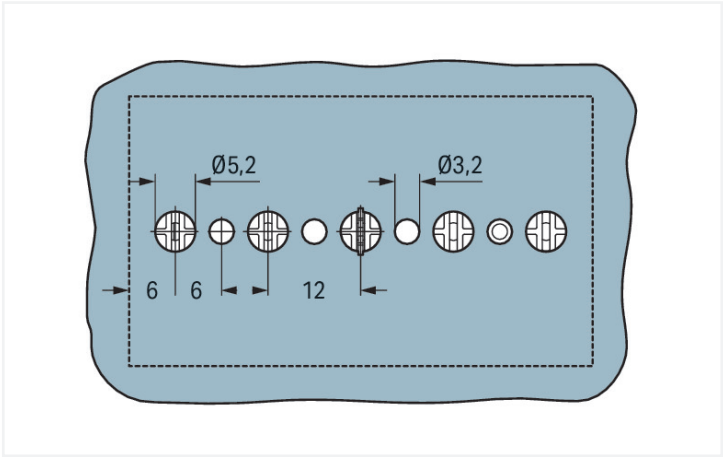


Color: ■ black

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, push-button

This chassis-mount terminal strip (item number 862-8525) provides fault-free electrical installations. Conductors should only be connected to this chassis-mount terminal strip if their strip length is between 10 mm and 11 mm. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. This chassis-mount terminal strip is suitable for conductor cross sections ranging from 0.5 mm² to 4 mm². Five potentials can connect five poles using the twenty clamping points. The black housing is made of polyamide (PA66) for insulation.

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) Δ Overvoltage category III / Pollution degree 3



Connection data																												
Clamping units	20	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.75 ... 4 mm² / 18 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>0.75 ... 1.5 mm² / 18 ... 16 AWG</td></tr><tr><td>Note (conductor cross-section)</td><td>Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.</td></tr><tr><td>Strip length</td><td>10 ... 11 mm / 0.39 ... 0.43 inches</td></tr><tr><td>Pole number</td><td>5</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	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	5	Wiring direction	Side-entry wiring
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	5																											
Wiring direction	Side-entry wiring																											
Total number of potentials	5																											
PE function	with ground contact																											

Physical data		
Pin spacing	12 mm / 0.472 inches	
Width	60 mm / 2.362 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	L3-N-⊕-L1-L2	
Mounting type	Snap-in mounting foot at position 2+4	

Material data		
Note (material data)	<a href="#">Information on material specifications can be found here</a>	
Color	black	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	0.661 MJ	
Halogen-free	Yes	
Weight	34.7 g	

Commercial data		
PU (SPU)	200 pcs	
Packaging type	Bag	
Country of origin	DE	
GTIN	4044918510394	
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			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor-	-	-
CCA	EN 60947	NTR NL 6912	mity		
DEKRA Certification B.V.			WAGO GmbH & Co. KG		
CCA	EN 60947	2146425.01	UK-Declaration of Confor-	-	-
DEKRA Certification B.V.			mity		
CSA	C22.2 No. 158	1505030	WAGO GmbH & Co. KG		
DEKRA Certification B.V.					
ENEC 15	EN 60998	143856-01			
UL International Germany GmbH					
UL	UL 1059	E45172			
UL International Germany GmbH					

Approvals for marine applications

Approval	Standard	Certificate Name
DNV GL	-	TAE00001V2
Det Norske Veritas, Germanischer Lloyd		

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 862-8525	



Documentation

Bid Text			
862-8525	19.02.2019	xml 3.62 KB	
862-8525	13.06.2017	doc 25.00 KB	

CAD/CAE-Data

CAD data
2D/3D Models 862-8525

CAE data
EPLAN Data Portal 862-8525
WSCAD Universe 862-8525
ZUKEN Portal 862-8525

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

<a href="#">Item No.: 216-241</a> 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	<a href="#">Item No.: 216-141</a> Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<a href="#">Item No.: 216-242</a> 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	<a href="#">Item No.: 216-142</a> Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
<a href="#">Item No.: 216-243</a> Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="#">Item No.: 216-143</a> Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<a href="#">Item No.: 216-244</a> 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	<a href="#">Item No.: 216-144</a> 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

<a href="#">Item No.: 862-482</a> 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

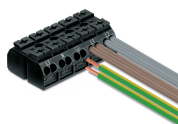
1.1.5 Tool

1.1.5.1 Operating tool



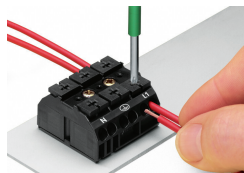
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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 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.

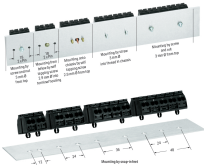
**Commoning**

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

Testing

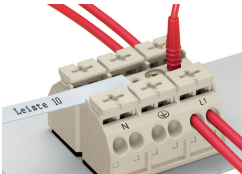


Testing with a 2 mm Ø test plug (max. 42 V).



Dimensions in mm

Marking



Marking by direct, one-side printing and marking strips