

Data Sheet | Item Number: 812-101

Busbar terminal block; for (10 x 3) mm busbars; without push-buttons; Push-in CAGE CLAMP®; 4,00 mm²; light gray

<https://www.wago.com/812-101>



Color: ■ light gray

Similar to illustration

Common potential terminal block, 812 Series, Push-in CAGE CLAMP®

Our common potential terminal block (item number 812-101) ensures effortless electrical installations. Conductors should only be connected to this common potential terminal block if their strip length is 11 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: 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. The item's dimensions are 75 x 30 x 27.5 mm (width x height x depth). Depending on the type of conductor, this common potential terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 4 mm². It features one level and twelve clamping points that you can use to connect a single potential. The light gray housing is made of polyamide (PA66) for insulation.

Electrical data		
Ratings per IEC/EN		Ratings per IEC/EN – Notes
Nominal voltage (III/3)	1000 V	Rated current (note) Current carrying capacity: With a maximum total current of 96 A, the clamping units of the busbar terminal block can be loaded with the rated current of the conductor cross-sections approved. This only applies when (10 x 3) mm busbars are used.
Rated impulse withstand voltage (III / 3)	6 kV	
Rated current	96 A	
Legend (ratings)	(III / 3) △ Overvoltage category III / Pollution degree 3	

Connection data		
Clamping units	12	Connection 1 Connection technology Push-in CAGE CLAMP® Actuation type Operating tool Connectable conductor materials Copper Solid conductor 0.5 ... 4 mm² / 20 ... 12 AWG Solid conductor; push-in termination 0.5 ... 4 mm² / 20 ... 12 AWG Stranded conductor 0.5 ... 4 mm² / 20 ... 12 AWG Fine-stranded conductor 0.5 ... 4 mm² / 20 ... 12 AWG Strip length 11 mm / 0.43 inches Wiring direction Front-entry wiring
Total number of potentials	1	
Number of levels	1	



Physical data		
Width	75 mm / 2.953 inches	
Height	30 mm / 1.181 inches	
Depth	27.5 mm / 1.083 inches	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	light gray	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	0.82 MJ	
Weight	35.6 g	

Environmental requirements		
Continuous operating temperature	-35 ... +85 °C	

Commercial data		
Product Group	12 (Matrix Patch Board)	
PU (SPU)	10 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4044918253260	
Customs tariff number	85369010000	

Product Classification		
UNSPSC	39121410	
eCl@ss 10.0	27-14-11-46	
eCl@ss 9.0	27-14-11-46	
ETIM 9.0	EC000001	
ETIM 8.0	EC000001	
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-7153
CSA CSA Group	C22.2 No. 158	2131504
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.49
UL Underwriters Laboratories Inc.	UL 1059	UL-US- L45172-6187154-31109002-1

Declarations of conformity and manufacturer's declarations

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



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 812-101			

Documentation

Bid Text			
812-101	18.07.2019	xml 4.01 KB	
812-101	18.07.2019	docx 15.30 KB	

CAD/CAE-Data

CAD data			
2D/3D Models 812-101			

CAE data			
EPLAN Data Portal 812-101			
WSCAD Universe 812-101			
ZUKEN Portal 812-101			

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-110
Ferrule; Sleeve for 16 mm² / AWG 6; unin-
sulated; electro-tin plated; brown metallic

1.1.2 N-busbar

1.1.2.1 Busbar



Item No.: 210-133
Busbar; tin-plated; 1000 mm long; Cu 10
mm x 3 mm; white

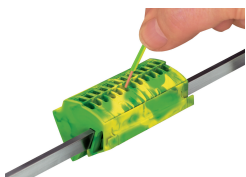
Installation Notes

Installation

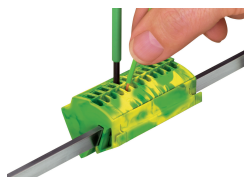


Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.

Conductor termination



Conductor termination (4 mm²/12 AWG): With Push-in CAGE CLAMP®, solid conductors can be terminated by simply pushing them into the 12 x 4 mm² busbar terminal block, significantly reducing wiring time.



Conductor removal (4 mm²/12 AWG and 16 mm²/6 AWG): Open the clamping unit using an operating tool.