

Data Sheet | Item Number: 812-112

Busbar terminal block; for (10 x 3) mm busbars; without push-buttons; CAGE CLAMP®; dark gray

<https://www.wago.com/812-112>



Color: ■ dark gray

Similar to illustration

Common potential terminal block, 812 Series, operating tool

Connecting conductors is quick and easy with this common potential terminal block (item number 812-112). Conductors should only be connected to this common potential terminal block if their strip length is 12 mm. Featuring conductor terminals along with CAGE CLAMP®, this product delivers reliable performance. Our CAGE CLAMP® connection offers a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Dimensions: (38 x 42.5 x 43.5) mm (width x height x depth). This common potential terminal block is suitable for conductor cross sections ranging from 1.5 mm² to 16 mm².

Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	1000 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	96 A
Legend (ratings)	(III / 3) Δ Overvoltage category III / Pollution degree 3

Ratings per IEC/EN – Notes

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.
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General information

Wiring direction	Front-entry wiring
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Connection Data

Clamping units	3
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	1.5 ... 16 mm ² / 14 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm ² / 14 ... 6 AWG
Strip length	12 mm / 0.47 inches
Wiring direction	Front-entry wiring

Physical data

Width	38 mm / 1.496 inches
Height	42.5 mm / 1.673 inches
Depth	43.5 mm / 1.713 inches

Material data

Note (material data)	Information on material specifications can be found here
Color	dark gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.854 MJ
Weight	41.9 g

Environmental requirements

Continuous operating temperature	-35 ... +85 °C
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Commercial data

Product Group	12 (Matrix Patch Board)
PU (SPU)	12 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454014902
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 10.0	EC000001
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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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 Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 812-112			↓

Documentation

Bid Text			
812-112	18.07.2019	xml 3.80 KB	↓
812-112	18.07.2019	docx 15.18 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 812-112	↓

CAE data	
EPLAN Data Portal 812-112	↓
WSCAD Universe 812-112	↓
ZUKEN Portal 812-112	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cover

1.1.1.1 Cover



[Item No.: 284-400](#)
Finger guard; touchproof cover protects unused conductor entries; yellow

1.1.2 Ferrule

1.1.2.1 Ferrule



[Item No.: 216-209](#)
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red



[Item No.: 216-109](#)
Ferrule; Sleeve for 10 mm² / AWG 8; un-insulated; electro-tin plated



[Item No.: 216-210](#)
Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



[Item No.: 216-110](#)
Ferrule; Sleeve for 16 mm² / AWG 6; un-insulated; electro-tin plated; brown metallic



[Item No.: 216-208](#)
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



[Item No.: 216-108](#)
Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; electro-tin plated; silver-colored

1.1.3 N-busbar

1.1.3.1 Busbar



Item No.: 210-133

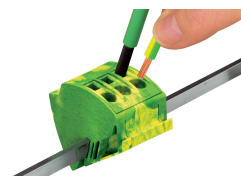
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

Installation Notes

Installation



Snapping a ground busbar terminal block onto the N-busbar.



Conductor termination (16 mm²/6 AWG):
Open the clamping unit with an operating tool when terminating solid, stranded and fine-stranded conductors.