

Data Sheet | Item Number: 812-111

Busbar terminal block; for (10 x 3) mm busbars; without push-buttons; CAGE CLAMP®; 16,00 mm²; light gray

<https://www.wago.com/812-111>



Color: ■ light gray

Similar to illustration

Common potential terminal block, 812 Series, CAGE CLAMP®

Our common potential terminal block (item number 812-111) makes connections quick and easy. Conductors can only be connected to this common potential terminal block if their strip length is 12 mm. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The dimensions are (38 x 42.5 x 43.5) mm (width x height x depth). Depending on the type of conductor, this common potential terminal block is designed 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	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.854 MJ
Weight	42.1 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	4045454014896
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 812-111			↓

Documentation

Bid Text			
812-111	18.07.2019	xml 3.80 KB	↓
812-111	18.07.2019	docx 15.24 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 812-111	↓

CAE data	
EPLAN Data Portal 812-111	↓
WSCAD Universe 812-111	↓
ZUKEN Portal 812-111	↓

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

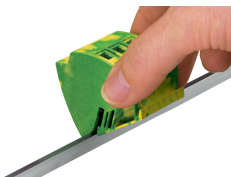


Item No.: 210-133

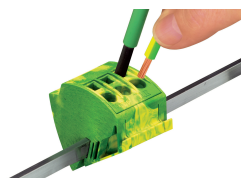
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

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.