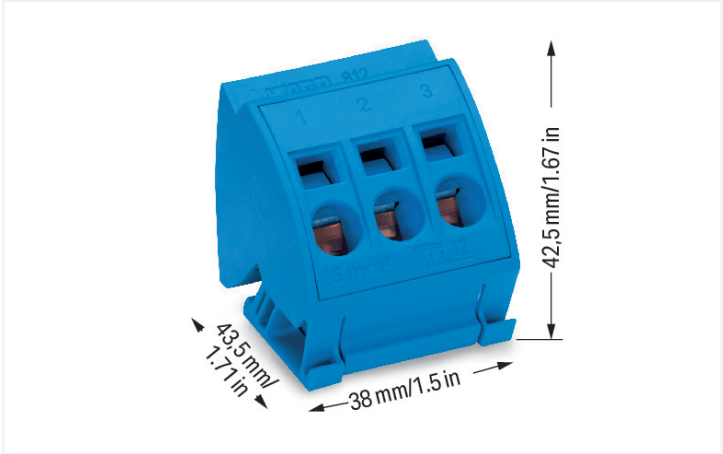




Color: ■ blue

Common potential terminal block, 812 Series, CAGE CLAMP®

Our common potential terminal block (item number 812-114) simplifies electrical installations. Ensure that the strip lengths are 12 mm when connecting conductors to this common potential terminal block. Featuring conductor terminals along with CAGE CLAMP®, this product delivers reliable performance. Our CAGE CLAMP® connection offers a dependable 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. The item's dimensions are 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. It has one level. The single potential can connect using the three clamping points. The blue housing is made of polyamide (PA66) for insulation.

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.

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 mm² / 14 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm² / 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	blue
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.893 MJ
Weight	42.9 g

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

Commercial data	
Product Group	12 (Matrix Patch Board)
eCl@ss 10.0	27-14-11-46
eCl@ss 9.0	27-14-11-46
ETIM 9.0	EC000001
ETIM 8.0	EC000001
PU (SPU)	12 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454014926
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
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
		Approval
		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 812-114



Documentation

Additional Information
Technical Section
pdf
2246.92 KB



Bid Text			
812-114	18.07.2019	xml 3.79 KB	↓
812-114	18.07.2019	docx 15.18 KB	↓



CAD/CAE-Data

CAD data
2D/3D Models 812-114



CAE data
EPLAN Data Portal 812-114
WSCAD Universe 812-114
ZUKEN Portal 812-114



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; uninsulated; 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; uninsulated; 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; uninsulated; electro-tin plated; silver-colored

1.1.3 N-busbar

1.1.3.1 Busbar



Item No.: 210-133

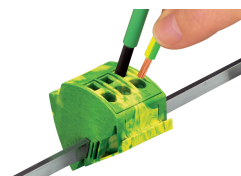
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

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.