

Color: ■ green-yellow

Common potential terminal block, 812 Series, green-yellow

Easily, quickly and safely connect conductors with this common potential terminal block (item number 812-110). Conductors can 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 outperforms the competition. Our reliable 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. Dimensions: 38 x 42.5 x 43.5 mm (width x height x depth). Depending on the conductor type, this common potential terminal block is suitable for conductor cross sections ranging from 1.5 mm² to 16 mm². It has one level. You can connect a single potential using the three clamping points. The green-yellow housing is made of polyamide (PA66) for insulation.

Connection data

Clamping units	3	Connection 1	
Total number of potentials	1	Connection technology	CAGE CLAMP®
Number of levels	1	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)	<a href="#">Information on material specifications can be found here</a>
Color	green-yellow
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.869 MJ
Weight	42.7 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	4045454014889
Customs tariff number	85369010000

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

### Downloads

#### Environmental Product Compliance

Compliance Search
Environmental Product Compliance 812-110





Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2246.92 KB	812-110 18.07.2019	xml 3.13 KB
		812-110 18.07.2019	docx 14.57 KB

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 812-110	EPLAN Data Portal 812-110
	WSCAD Universe 812-110
	ZUKEN Portal 812-110

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			
<a href="#">Item No.: 216-209</a> Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red	<a href="#">Item No.: 216-109</a> Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated	<a href="#">Item No.: 216-210</a> Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	<a href="#">Item No.: 216-110</a> Ferrule; Sleeve for 16 mm² / AWG 6; uninsulated; electro-tin plated; brown metallic
<a href="#">Item No.: 216-208</a> Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	<a href="#">Item No.: 216-108</a> Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored		

### 1.1.3 N-busbar

#### 1.1.3.1 Busbar

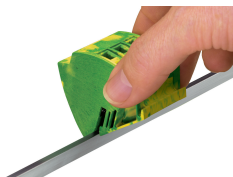


**Item No.: 210-133**

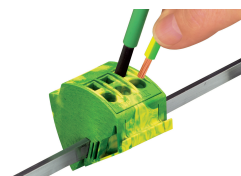
Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

### Installation Notes

#### Installation



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



Conductor termination (16 mm<sup>2</sup>/6 AWG):  
Open the clamping unit with an operating tool when terminating solid, stranded and fine-stranded conductors.