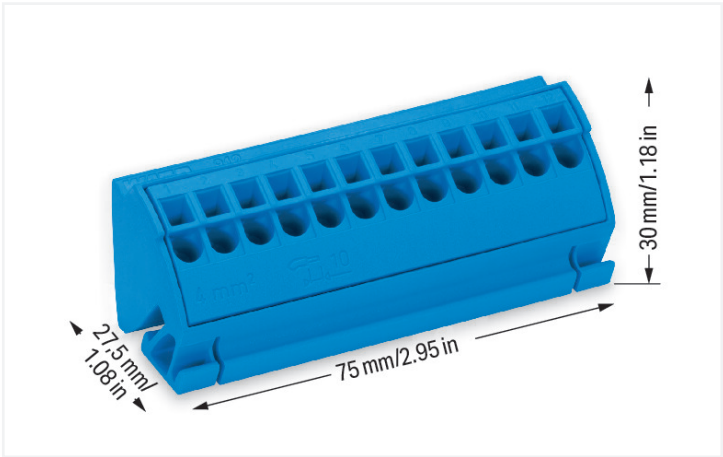


Data Sheet | Item Number: 812-104

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

<https://www.wago.com/812-104>



Color: ■ blue

Common potential terminal block, 812 Series, blue

Connect conductors quickly and securely with this common potential terminal block (item number 812-104). Strip lengths must be 11 mm when connecting conductors to this common potential terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this product is highly versatile. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The item's dimensions are 75 x 30 x 27.5 mm (width x height x depth). This common potential terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 4 mm². It has one level. You can connect a single potential using the twelve 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	12
Total number of potentials	1
Number of levels	1

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



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	blue	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	0.772 MJ	
Weight	35.7 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	4044918253291	
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 812-104

Download icon

Documentation				
Bid Text				
812-104	18.07.2019	xml	4.01 KB	Download icon
812-104	18.07.2019	docx	15.24 KB	Download icon

CAD/CAE-Data

CAD data

2D/3D Models 812-104

Download icon

CAE data

EPLAN Data Portal 812-104

Download icon

WSCAD Universe 812-104

Download icon

ZUKEN Portal 812-104

Download icon

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

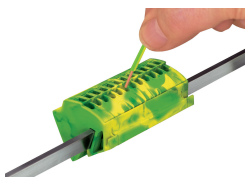
Installation Notes

Installation

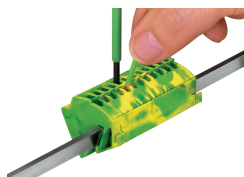


Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.

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.