

Data Sheet | Item Number: 812-101

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

<https://www.wago.com/812-101>



Color: ■ light gray

Similar to illustration

Common potential terminal block, 812 Series, Push-in CAGE CLAMP®

Our common potential terminal block (item number 812-101) simplifies electrical installations. Conductors can only be connected to this common potential terminal block if their strip length is 11 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. The dimensions are (75 x 30 x 27.5) mm (width x height x depth). Depending on the conductor type, this common potential terminal block is ideal for conductor cross sections ranging from 0.5 mm² to 4 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	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 mm ² / 20 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 4 mm ² / 20 ... 12 AWG
Stranded conductor	0.5 ... 4 mm ² / 20 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm ² / 20 ... 12 AWG
Strip length	11 mm / 0.43 inches

Connection 1

Wiring direction	Front-entry wiring
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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	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.821 MJ
Weight	35.6 g

Environmental requirements

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

Product Group	12 (Matrix Patch Board)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918253260
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 Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 812-101	↓
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Documentation

Bid Text

Item	Date	Format	Size	Action
812-101	18.07.2019	xml	4.01 KB	↓
812-101	18.07.2019	docx	15.30 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 812-101	↓
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CAE data

EPLAN Data Portal 812-101	↓
WSCAD Universe 812-101	↓
ZUKEN Portal 812-101	↓

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; un-insulated; electro-tin plated; brown metallic

1.1.2 N-busbar

1.1.2.1 Busbar

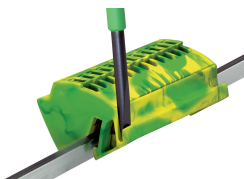


Item No.: 210-133

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

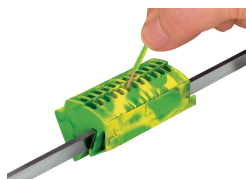
Installation Notes

Installation

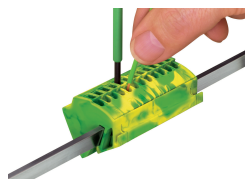


Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.

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.