

Data Sheet | Item Number: 812-102

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

<https://www.wago.com/812-102>



Color: ■ dark gray

Similar to illustration

Electrical data

Ratings per IEC/EN	
Nominal voltage (III/3)	1000 V
Rated impulse voltage (III/3)	6 kV
Rated current	96 A
Note (rated current)	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.
Legend (ratings)	(III / 3) Δ Overvoltage category III / Pollution degree 3

Connection data

Connection points	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	dark gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.823 MJ
Weight	35.7 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 8.0	EC000001
ETIM 7.0	EC000001
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918253277
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	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	2160584.49	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7153	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2 No. 158	2131504			
UR Underwriters Laboratories Inc.	UL 1059	E45172			

Downloads



Environmental Product Compliance

Compliance Search		
Environmental Product Compliance 812-102		

Documentation

Additional Information			Bid Text		
Technical Section	pdf 2240.62 KB		812-102	18.07.2019	xml 4.01 KB
			812-102	18.07.2019	docx 15.25 KB

CAD/CAE-Data

CAD data		CAE data	
2D/3D Models 812-102		EPLAN Data Portal 812-102	
		WSCAD Universe 812-102	
		ZUKEN Portal 812-102	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

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 Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	 Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	 Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	 Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	 Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
 Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	 Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	 Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	 Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	 Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored



1.1.1.1 Ferrule

 Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated	 Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; silver-colored
 Item No.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	 Item No.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	 Item No.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated	 Item No.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored
 Item No.: 216-110 Ferrule; Sleeve for 16 mm² / AWG 6; un-insulated; electro-tin plated; brown metallic	 Item No.: 216-205 Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated; yellow	 Item No.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; blue	 Item No.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored
 Item No.: 216-207 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray	 Item No.: 216-107 Ferrule; Sleeve for 4 mm² / AWG 12; un-insulated; electro-tin plated		

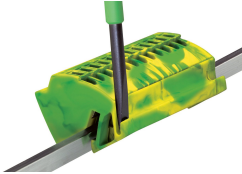
1.1.2 N-busbar

1.1.2.1 Mounting accessories

 Item No.: 210-133 Busbar; tin-plated; 1000 mm long; Cu 10 mm x 3 mm; white

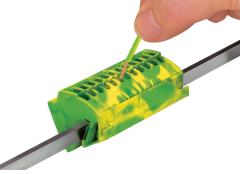
Installation Notes

Installation

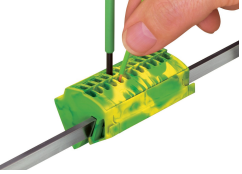


Unlock right and left positions to remove the ground busbar terminal block. Then pull up the block from the busbar.

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.

