

Data sheet | Item number: 812-103

Busbar terminal block; for (10 x 3) mm busbars; 12-pole; without push-buttons; Push-in CAGE CLAMP®; 4,00 mm²; red



Color: 



Data

Electrical data

IEC Approvals

Rated voltage (III / 3)	1000 V
Rated surge voltage (III/3)	6 kV
Rated current	96 A
Note on rated current 1	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) △ Overvoltage category III / Pollution degree 3

Connection data

Total number of connection points	12
Total number of potentials	12
Number of levels	1

Subject to changes. Please also observe the further product documentation!



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 inch
Number of poles	12
Wiring direction	Front-entry wiring

Physical data

Width	75 mm / 2.953 inch
Height	30 mm / 1.181 inch
Depth	27.5 mm / 1.083 inch

Material data

Note on material data	Information on material data can be found here
Color	red
Insulation material	Polyamide (PA66)
Fire load	0.823 MJ
Weight	35.7 g

Commercial data

Product Group	12 (Matrix Patch Board)
PU (SPU)	10 Stück
Packaging type	box
Country of origin	PL
GTIN	4044918253284
Customs tariff number	8536904000

Approvals / Certificates

Country specific Approvals

Certificate

Subject to changes. Please also observe the further product documentation!

Logo	Approval	Additional Approval Text	name
	CCA DEKRA Certification B.V.	EN 60947	2160584.49
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7153
	CSA DEKRA Certification B.V.	C22.2 No. 158	2131504

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

Ferrules

Ferrule
 Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored
 Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored
 Item no.: 216-106 Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored
 Item no.: 216-107 Ferrule; Sleeve for 4 mm ² / AWG 12; uninsulated; electro-tin plated
 Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored
 Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated
 Item no.: 216-110 Ferrule; Sleeve for 16 mm ² / AWG 6; uninsulated; electro-tin plated; metallic brown

Subject to changes. Please also observe the further product documentation!

	Item no.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored
	Item no.: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored
	Item no.: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red
	Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue
	Item no.: 216-207 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; gray
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black
	Item no.: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white
	Item no.: 216-224

Subject to changes. Please also observe the further product documentation!



Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

 **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.: 216-322**
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

 **Item no.: 216-302**
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

N-busbar

Mounting accessories

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

Downloads

Documentation

Bid Text

812-103	Jul 18, 2019
docx - Datei	

812-103	Jul 18, 2019
X81 - Datei	

Additional Information

Technical explanations

CAD files

CAD data

2D/3D Models 812-103

CAE data

EPLAN Data Portal 812-103

WSCAD Universe 812-103

7I IKEN Portal 812-103

Subject to changes. Please also observe the further product documentation!

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 812-103

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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

Subject to changes. Please also observe the further product documentation!



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.

Subject to changes. Please also observe the further product documentation!