

Data Sheet | Item Number: 811-317

2-conductor fuse holder ; for cylindrical fuses 10 x 38 mm; 13/32" x 11/2"; for photovoltaic applications; 1-pole; with blown fuse indication; 1000 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 16 mm²; CAGE CLAMP®; light gray

<https://www.wago.com/811-317>



Color: light gray



Fuse terminal block, 811 Series, operating tool

This fuse terminal block (item number 811-317) is designed for quick and easy connections. Strip lengths must be between 12 mm and 13 mm when connecting conductors to this fuse terminal block. This product features conductor terminals and utilizes CAGE CLAMP®. Our celebrated universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical interconnections. This fuse terminal block is suitable for conductor cross sections ranging from 2.5 mm² to 16 mm². It comes with one level and two clamping points that you can use to connect a single potential / 1 pole. The light gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

Notes

Safety Information

Electrical data

Ratings per	IEC/HD 60269-2		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	-	-
Rated surge voltage	8 kV	-	-
Rated current	32 A	-	-

Ratings per IEC/EN – Notes

Ratings (note)	Electrical ratings are specified in the technical data of both fuse terminal block and fuse. When selecting glass cartridge fuses, make sure that the listed power loss is not exceeded.
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Approvals per

Use group	B	C	D
Rated voltage	-	-	-

Approvals per

Use group	B	C	D
Rated voltage	-	-	-

Power Loss

Maximum power loss P_{loss} of fuse insert for overload and short-circuit protection (individual arrangement)	3 W
Maximum power loss P_{loss} of fuse insert for overload and short-circuit protection (block arrangement)	3 W
Power loss P_i max. short-circuit protection (individual arrangement)	3 W
Power loss P_{loss} (max.) of fuse cartridge for short-circuit protection (block arrangement)	3 W

General information

Voltage type 1	DC
Fuse receptacle	pluggable
Fuse type	Cylindrical fuse; 10 x 38 mm; for photo-voltaic applications



Connection data																		
Clamping units	2	Connection 1 <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>2.5 ... 16 mm² / 14 ... 6 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>2.5 ... 16 mm² / 16 ... 6 AWG</td></tr><tr><td>Strip length</td><td>12 ... 13 mm / 0.47 ... 0.51 inches</td></tr><tr><td>Pole number</td><td>1</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Operating tool	Connectable conductor materials	Copper	Solid conductor	2.5 ... 16 mm² / 14 ... 6 AWG	Fine-stranded conductor	2.5 ... 16 mm² / 16 ... 6 AWG	Strip length	12 ... 13 mm / 0.47 ... 0.51 inches	Pole number	1	Wiring direction	Side-entry wiring
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Pole number	1																	
Wiring direction	Side-entry wiring																	
Total number of potentials	1																	
Number of levels	1																	

Physical data		
Width		17.5 mm / 0.689 inches
Height		105 mm / 4.134 inches
Depth from upper-edge of DIN-rail		55 mm / 2.165 inches

Mechanical data		
Mounting type		DIN-35 rail
Mounting (note)		The fixed foot of the fuse terminal block must face upwards so that the fuse cannot fall out.

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 MJ
Weight		63.5 g

Environmental requirements		
Processing temperature		-35 ... +85 °C
Continuous operating temperature		-35 ... +85 °C

Commercial data		
PU (SPU)		12 pcs
Packaging type		Box
Country of origin		CN
GTIN		4050821848998
Customs tariff number		85369095000



Product Classification	
UNSPSC	39121624
eCl@ss 10.0	27-14-11-16
eCl@ss 9.0	27-14-11-16
ETIM 9.0	EC002705
ETIM 8.0	EC002705
ECCN	EAR99

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates	
Declarations of conformity and manufacturer's declarations	

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 811-317	

Documentation			
Bid Text			
811-317	19.02.2019	xml 3.79 KB	
811-317	14.03.2017	doc 27.00 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 811-317	EPLAN Data Portal 811-317
	WSCAD Universe 811-317
	ZUKEN Portal 811-317



1 Compatible Products			
1.1 Optional Accessories			
1.1.1 Ferrule			
1.1.1.1 Ferrule			
			
Item No.: 216-209 Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red	Item No.: 216-109 Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated	Item No.: 216-208 Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	Item No.: 216-108 Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored
			
Item No.: 216-545 Twin ferrule; Sleeve for 2 x 2.5 mm / AWG 14; insulated; blue	Item No.: 216-546 Twin ferrule; Sleeve for 2 x 4 mm / AWG 12; insulated; gray	Item No.: 216-547 Twin ferrule; Sleeve for 2 x 6 mm / AWG 10; insulated; yellow	
1.1.2 Installation			
1.1.2.1 Locking system			
			
Item No.: 811-612 Coupling kit; for 12 poles; red			
1.1.3 Jumper			
1.1.3.1 Jumper			
			
Item No.: 811-480 Jumper; 10-way; insulated; light gray	Item No.: 811-481 Jumper; 11-way; insulated; light gray	Item No.: 811-482 Jumper; 12-way; insulated; light gray	Item No.: 811-472 Jumper; 2-way; insulated; light gray
			
Item No.: 811-473 Jumper; 3-way; insulated; light gray	Item No.: 811-474 Jumper; 4-way; insulated; light gray	Item No.: 811-475 Jumper; 5-way; insulated; light gray	Item No.: 811-476 Jumper; 6-way; insulated; light gray
			
Item No.: 811-477 Jumper; 7-way; insulated; light gray	Item No.: 811-478 Jumper; 8-way; insulated; light gray	Item No.: 811-479 Jumper; 9-way; insulated; light gray	
1.1.4 Marking			
1.1.4.1 Label			
			
Item No.: 210-805 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; white	Item No.: 210-805/000-002 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; yellow	Item No.: 210-806 Labels; for Smart Printer; permanent adhesive; 9 x 15 mm; 3000 pieces on roll; white	Item No.: 210-806/000-002 Labels; for Smart Printer; permanent adhesive; 9 x 15 mm; 3000 pieces on roll; yellow
			
Item No.: 210-705 Labels; for TP printers; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; white	Item No.: 210-705/000-002 Labels; for TP printers; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; yellow	Item No.: 210-706 Labels; for TP printers; permanent adhesive; 9 x 15 mm; 3000 pieces on roll; white	Item No.: 210-706/000-002 Labels; for TP printers; permanent adhesive; 9 x 15 mm; 3000 pieces on roll; yellow



1.1.4.2 Marker



Item No.: 793-5501/000-006
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown



Item No.: 793-5501/000-007
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 793-5501/000-023
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 793-5501/000-017
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 793-5501/000-012
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 793-5501/000-024
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 793-5501/000-002
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item No.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-115/000-007
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



Item No.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-115/000-005
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.1.4.3 Marker carrier



Item No.: 285-442
Adaptor; gray

1.1.5 Supply module

1.1.5.1 Supply module



Item No.: 811-471
Supply module; 35 mm²; for 811 Series Fuse Terminal Blocks; SCREW CLAMP CONNECTION; 35,00 mm²; light gray

1.1.6 Test and measurement

1.1.6.1 Testing accessories



Item No.: 206-912

WAGO Test Probes; 2 mm Ø; 1000 V; CAT IV; 10 A

Installation Notes

Installation



Creating a 2- or 3-pole fuse terminal block via coupling kit.

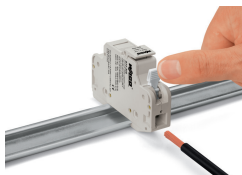


Removing a terminal block from the DIN-rail.

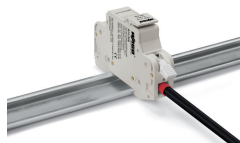
Conductor termination



Open and close lever via operating tool.



CAGE CLAMP® connection
Inserting a conductor.
Opening the clamping unit via integrated lever.



Terminating ferruled conductors up to 10 mm² (8 AWG).

Commoning



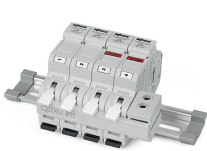
Jumper bar for quick and convenient commoning



Inserting a fuse.



Marking



WMB marker slot for convenient identification



Marker carriers (285-442) for continuous marking strips