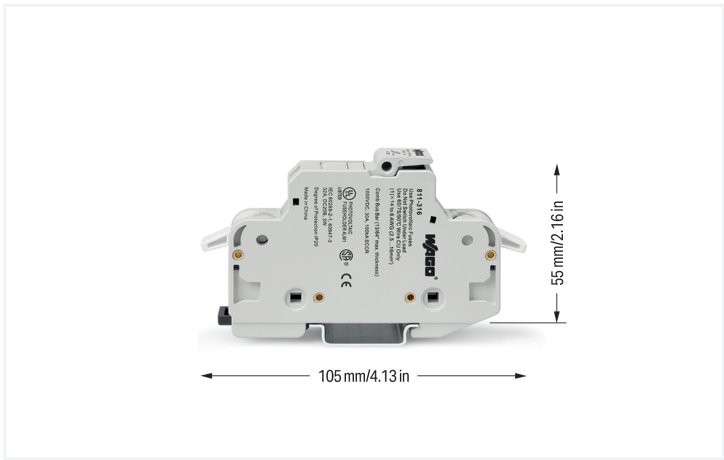


Data Sheet | Item Number: 811-316

2-conductor fuse holder ; for cylindrical fuses 10 x 38 mm; 13/32" x 11/2"; for photo-voltaic applications; 1-pole; without 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/811-316>



Color: ■ light gray

Fuse terminal block, 811 Series, operating tool

Quick and easy connections are guaranteed with this fuse terminal block (item number 811-316). Ensure that the strip lengths are between 12 and 13 mm when connecting conductors to this fuse terminal block. This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. This fuse terminal block is suitable for conductor cross sections ranging from 2.5 mm² to 16 mm².

Notes	
Safety Information	The fuse holder must not be opened under load.

Electrical data				
Ratings per		IEC/HD 60269-2		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		1000 V	-	-
Rated impulse withstand voltage		8 kV	-	-
Rated current		32 A	-	-
Ratings per UL				
Approvals per		UL 4248-19		
Rated voltage (UL)		1000 V		
Rated current UL		30 A		
Rated voltage (UL 2)		1000 V		
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.		
Ratings per CSA				
Approvals per		CSA 22.2		
Rated current CSA		30 A		
Rated voltage CSA		1000 V		



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
Maximum power loss P _{loss} of fuse insert for 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 photovoltaic applications
Wiring direction	Side-entry wiring

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

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
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	4050821849001
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 10.0	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 Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 811-316

↓

Documentation			
Bid Text			
811-316	19.02.2019	xml 3.72 KB	↓
811-316	14.03.2017	doc 27.00 KB	↓



CAD/CAE-Data	
CAD data 2D/3D Models 811-316 ↓	CAE data EPLAN Data Portal 811-316 ↓
	WSCAD Universe 811-316 ↓
	ZUKEN Portal 811-316 ↓

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.

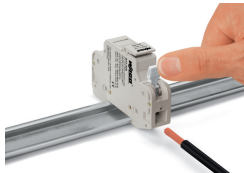


Removing a terminal block from the DIN-rail.

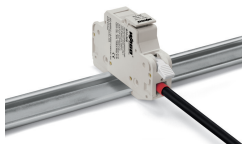
Conductor termination



Open and close lever via operating tool.

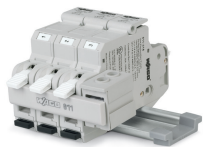


CAGE CLAMP® connection
Inserting a conductor.
Opening the clamping unit via integrated lever.



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