

Data Sheet | Item Number: 811-431

2-conductor fuse holder ; for Class CC cylindrical fuses; 3-pole; with blown fuse indication; for DIN-rail 35 x 15 and 35 x 7.5; 16 mm²; CAGE CLAMP®; light gray

<https://www.wago.com/811-431>



Color: ■ light gray

Similar to illustration



Similar to illustration

Fuse terminal block, 811 Series, light gray

Quick and easy connections are guaranteed with this fuse terminal block (item number 811-431). Ensure that the strip lengths are between 12 mm and 13 mm when connecting conductors to this fuse terminal block. This product features conductor terminals and utilizes CAGE CLAMP®. Our highly-rated 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. It comes with one level and six clamping points for connecting three potentials / 3 poles. The light gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

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		600 V	-	-
Rated surge voltage		8 kV	-	-
Rated current		30 A	-	-
Ratings per IEC/EN 2		600 V		
Rated voltage (III / 3)		600 V		
Approvals per		CSA 22.2		
Use group		B	C	D
Rated voltage		-	-	-
Approvals per		UL 4248-4		
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		
Ratings per IEC/EN – Notes		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 (note)				



General information	
Voltage type 1	AC
Voltage type 2	DC
Fuse receptacle	pluggable
Fuse type	Cylindrical fuse; 10 x 38 mm; Class CC

Connection data																
Clamping units	6	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>3</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	3
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	3															
Total number of potentials	3															
Number of levels	1															

Physical data	
Width	52.5 mm / 2.067 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	195 g

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

Commercial data	
Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	4 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143187442
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	NO US CLASSIFICATION

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 811-431	

Documentation			
Bid Text			
811-431	19.02.2019	xml 3.58 KB	
811-431	14.03.2017	doc 25.00 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 811-431	EPLAN Data Portal 811-431
	WSCAD Universe 811-431
	ZUKEN Portal 811-431



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.

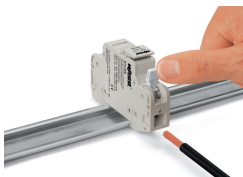


Removing a terminal block from the DIN-rail.

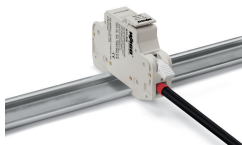
Conductor termination



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



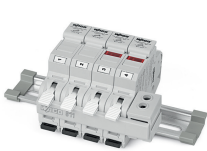
Jumper bar for quick and convenient commoning



Inserting a fuse.



Marking



WMB marker slot for convenient identification



Marker carriers (285-442) for continuous marking strips