Data Sheet | Item Number: 811-414

2-conductor fuse holder   ; for Class CC cylindrical fuses; 1-pole; with blown fuse indication; 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 16 mm²; CAGE CLAMP®; light gray

https://www.wago.com/811-414

Color: ■ light gray

Similar to illustration

Similar to illustration

Fuse terminal block, 811 Series, CAGE CLAMP®

This fuse terminal block (item number 811-414) is designed to connect conductors quickly and easily. Conductors can only be connected to this fuse terminal block if their strip length is between 12 and 13 mm . This product incorporates conductor terminals and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. Depending on the conductor type, this fuse terminal block is designed 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	24 V	-	-
Rated impulse withstand voltage	8 kV	-	-
Rated current	30 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.

Approvals per	UL 4248-19		
Use group	B	C	D
Rated voltage	-	-	-

Approvals per	CSA 22.2		
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_l max. short-circuit protection (individual arrangement)	3 W

Power Loss	
Power loss P_{loss} (max.) of fuse cartridge for short-circuit protection (block arrangement)	3 W

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General information

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

Connection data

Clamping units	2
Total number of potentials	1
Number of levels	1

Connection 1

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

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

Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	12 (1) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143102018
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 Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 811-414

Documentation

Bid Text

811-414	19.02.2019	xml 3.56 KB	↓
811-414	14.03.2017	doc 25.00 KB	↓

CAD/CAE-Data

CAD data	**CAE data**
2D/3D Models 811-414	EPLAN Data Portal 811-414
	WSCAD Universe 811-414
	ZUKEN Portal 811-414

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

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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

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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