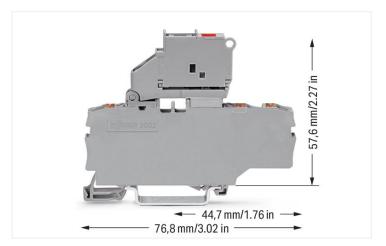
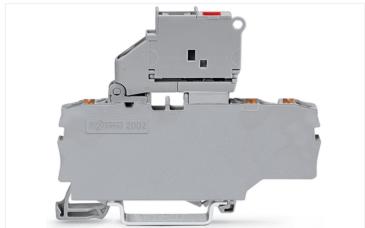
3-conductor fuse terminal block; with pivoting fuse holder; with end plate; for 5×20 mm miniature metric fuse; with push-button; with blown fuse indication by LED; 230 V; for DIN-rail 35×15 and 35×7.5 ; 2.5 mm^2 ; Push-in CAGE CLAMP®; 2.50 mm^2 ; gray

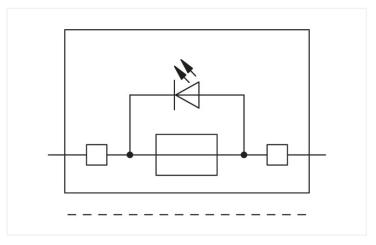


https://www.wago.com/2202-1711/1000-836





Color: ■ gray



Fuse terminal block, 2202 Series, push-button

This fuse terminal block (item number 2202-1711/1000-836) is designed to connect conductors quickly and easily. Strip lengths must be between 10 mm and 12 mm when connecting conductors to this fuse terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this product is highly versatile. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. This fuse terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 4 mm². It comes with one level and three clamping points that you can use to connect a single potential. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails.. This product is designed for specific Ex applications (please refer to the product datasheet).

Electrical data				
Ratings per	IEC	'EN 60947-	7-3	
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	6 kV	-	-	
Rated current	6.3 A	-	-	

Detings you ICC/CN Notes	
Ratings per IEC/EN – Notes	
Ratings (note)	Electrical ratings are given by the fuse and blown fuse indication.
Rated current (note)	Leakage current in case of a blown fuse: LED 2 mA

Data Sheet | Item Number: 2202-1711/1000-836 https://www.wago.com/2202-1711/1000-836



Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	250 V	250 V	250 V
Rated current	10 A	10 A	-

Approvals per	CSA 22.2 No 158		
Use group	В	С	D
Rated voltage	250 V	250 V	250 V
Rated current	10 A	10 A	10 A

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: PTB 20 ATEX 1007 U / IECEx: PTB 20.0013U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	275 V
Rated current (Ex e II)	6.3 A

Power Loss	
Power loss (max.) P _{I (max.)} (note)	When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.
Power loss P ₁ max. overload and short- circuit protection (individual arrange- ment)	1.6 W
Power loss P ₁ max. overload and short- circuit protection (group arrangement)	1.6 W
Power loss P ₁ max. short-circuit protection (individual arrangement)	2.5 W
Power loss P _I max. short-circuit protection (group arrangement)	2.5 W

General information	
Fuse receptacle	pivoting
Fuse type	Cylindrical fuse; 5 x 20 mm

Connection data		
Clamping units	3	
Total number of potentials	1	
Number of levels	1	
Number of jumper slots	2	

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm ²
Solid conductor	0.25 4 mm² / 22 12 AWG
Solid conductor; push-in termination	0.75 4 mm² / 18 12 AWG
Fine-stranded conductor	0.25 4 mm² / 22 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 2.5 mm² / 22 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 2.5 mm² / 18 14 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross- section can also be inserted via push-in termination.
Strip length	10 12 mm / 0.39 0.47 inches
Wiring direction	Front-entry wiring

https://www.wago.com/2202-1711/1000-836



Physical data

 Width
 6.2 mm / 0.244 inches

 Height
 76.8 mm / 3.024 inches

 Depth from upper-edge of DIN-rail
 57.6 mm / 2.268 inches

Mechanical data

Mounting type DIN-35 rail

Marking level Center/side marking

Material data

Note (material data)

Information on material specifications can be found here

Color gray
Material group I

Insulation material (main housing) Polyamide (PA66)

Flammability class per UL94 V0
Fire load 0.18 MJ
Actuator color orange
Weight 15.2 g

Environmental requirements

Processing temperature $-35 \dots +85 \, ^{\circ} \text{C}$ Continuous operating temperature $-60 \dots +105 \, ^{\circ} \text{C}$

Commercial data

 ETIM 9.0
 EC000899

 ETIM 8.0
 EC000899

 PU (SPU)
 50 pcs

 Packaging type
 Box

 Country of origin
 DE

GTIN 4055143962131 Customs tariff number 85369095000

Environmental Product Compliance

CAS-No. 1303-86-2 1317-36-8 7439-92-1

REACH Candidate List Substance Diboron trioxide

Lead

Lead monoxide

RoHS Compliance Status Compliant, With Exemption

RoHS Exemption 6(c)

7(a) 7(c)-l

7(c)-I 7(c)-II

SCIP notification number (Austria) cd2a43df-3998-463a-ab86-2eeaf52489ae

 SCIP notification number (Belgium)
 ec80d60c-20a7-4d5f-9461-63426f6e345f

 SCIP notification number (Bulgaria)
 053081bd-2b7d-4da2-94c9-723b04419202

SCIP notification number (Czech Republic) 65320f22-74f9-4d38-93f6-bc5ad6a2343d

 SCIP notification number (Denmark)
 7bc59a6e-93fb-4f3c-9152-1120818b8c97

 SCIP notification number (Finland)
 cef02427-dd56-4d66-8c93-6b7be3e65ef5

SCIP notification number (France)
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SCIP notification number (Germany)
a3e97624-7e88-4016-8afe-3e6853faba2d

SCIP notification number (Hungary) 17328fce-ed00-4b96-8f77-359af35673a3

SCIP notification number (Italy) 3f6af117-5bcd-4ccd-a141-85d3e7ea6da8

https://www.wago.com/2202-1711/1000-836



Environmental Product Compliance	
Environmental Product Compilance	
SCIP notification number (Netherlands)	60d998be-f1ab-48ae-8527-ac765f5da31f
SCIP notification number (Poland)	42c83a71-da33-434b-9ca4-ea83793827c7
SCIP notification number (Romania)	2d2da94a-1649-4ac5-81a7-59f4f9b28080
SCIP notification number (Sweden)	50668ed4-d01f-4941-9fe7-8bd629e089df

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories	UL 1059	UL-CA- L45172-6189178-11508102-
Inc		

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas









ecliCU 🐸 113G		
Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt	EN IEC 60079-0	PTB 20 ATEX 1007U (II 3 G Ex ec IIC Gc)
CCC CNEX	-	2020312313000288 (Ex ec IIC Gc)
IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 20.0013U (Ex ec IIC Gc)

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2202-1711/1000-836



https://www.wago.com/2202-1711/1000-836



Documentation Additional Information **Technical Section** pdf 2246.92 KB

CAD/CAE-Data

CAD data

2D/3D Models 2202-1711/1000-836

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate







Item No.: 2002-991

End plate for fuse terminal blocks; 2 mm thick; gray

Item No.: 2002-992

End plate for fuse terminal blocks; 2 mm thick; orange

Item No.: 209-191

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm

thick; 2 m long; unslotted; similar to EN



Item No.: 210-198

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

Item No.: 210-508

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-197

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



Item No.: 210-506

Item No.: 210-196

60715; silver-colored

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

Item No.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

Item No.: 210-118

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-115

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored



Item No.: 210-112

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

Item No.: 210-504

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

Item No.: 210-113

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

Item No.: 210-505

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

https://www.wago.com/2202-1711/1000-836



1.2.2 Ferrule

1.2.2.1 Ferrule



Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228. Part 4/09.90; black

Item No.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228. Part 4/09.90: black

Item No.: 216-246

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228. Part 4/09.90: blue

Item No.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-169

Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.4 Insulation stop

1.2.4.1 Insulation stop





Item No.: 2002-171

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/ strip; light gray Item No.: 2002-172

Insulation stop; 0.75 - 1 mm²; 5 pieces/ strip; dark gray

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1.2.5 Jumper

1.2.5.1 Jumper

Item No.: 2004-406/020-000 Delta jumper; insulated; light gray

Item No.: 2004-404 Jumper; 4-way; insulated; light gray

Item No.: 2004-408 Jumper; 8-way; insulated; light gray

Item No.: 2004-434 Jumper; from 1 to 4; insulated; light gray

Item No.: 2004-438 Jumper; from 1 to 8; insulated; light gray

Item No.: 210-123 Wire commoning chain; insulated; blue THEFT

Item No.: 2004-410 Jumper; 10-way; insulated; light gray

TIVE

Item No.: 2004-405 Jumper; 5-way; insulated; light gray

Item No.: 2004-409 Jumper; 9-way; insulated; light gray

Item No.: 2004-435 Jumper; from 1 to 5; insulated; light gray

Item No.: 2004-439

Jumper; from 1 to 9; insulated; light gray

Item No.: 2004-402

Jumper; 2-way; insulated; light gray

TIM

Item No.: 2004-406 Jumper; 6-way; insulated; light gray

Item No.: 2004-440

Jumper; from 1 to 10; insulated; light gray

Item No.: 2004-436 Jumper; from 1 to 6; insulated; light gray

Item No.: 2004-405/011-000

Star point jumper; 3-way; insulated; light

Item No.: 2004-433

Item No.: 2004-403

Item No.: 2004-407

Jumper; 3-way; insulated; light gray

Jumper; 7-way; insulated; light gray

Item No.: 2004-437 Jumper; from 1 to 7; insulated; light gray

Jumper; from 1 to 3; insulated; light gray

Item No.: 210-103

Wire commoning chain; insulated; black

1.2.6 Locking system

1.2.6.1 Locking system

Item No.: 210-254

Interlocking link; mechanically locks multiple links; 1 m long; transparent

1.2.7 Marking

1.2.7.1 Group marker carrier

Item No.: 2009-191 Group marker carrier; gray

Item No.: 2009-192 Group marker carrier; gray

Group marker carrier; gray

Item No.: 2009-193

1.2.7.2 Marker

Item No.: 2009-145/000-006

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

Item No.: 2009-145/000-005

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

Item No.: 2009-145/000-007

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

Item No.: 2009-145/000-024

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700

pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item No.: 2009-145/000-012

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item No.: 2009-145/000-002

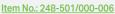
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; vellow

https://www.wago.com/2202-1711/1000-836



1.2.7.2 Marker





Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017

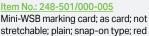
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501

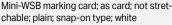
Item No.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 248-501/000-002

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow



Item No.: 793-5501/000-017

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; blue



WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; brown



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



WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

5.2 mm; plain; snap-on type; light green

WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

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

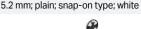


WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; red



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.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 -5.2 mm; plain; snap-on type; yellow

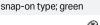


WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



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



WMB-Inline; for Smart Printer; 1500 pie-

ces on roll; stretchable 5 - 5.2 mm; plain;

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

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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

Item No.: 2009-115/000-023

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item No.: 2009-115/000-002 WMB-Inline; for Smart Printer; 1500 pie-

ces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.2.7.3 Marker carrier



Item No.: 2009-198 Adaptor; gray

1.2.7.4 Marking strip



Item No.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

https://www.wago.com/2202-1711/1000-836



1.2.8 Screwless end stop

1.2.8.1 Mounting accessories





Item No.: 249-117

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DIN-rail 35×15 and 35×7.5 ; gray

1.2.9 Test and measurement

1.2.9.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

1.2.10 Tool

1.2.10.1 Operating tool



Item No.: 210-658

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

Item No.: 210-720

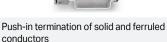
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination









Push-in termination of solid and ferruled conductors



Insert fine-stranded conductors via operating tool.



All conductor types at a glance

Removing all conductors via operating

https://www.wago.com/2202-1711/1000-836



Commoning



Insert a push-in type jumper bar and push down until it hits the backstop.



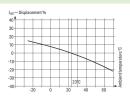
Application Notes on Terminal Blocks for Glass Cartridge Fuses

Diagram: "Individual Arrangement"



Application Notes on Terminal Blocks for Glass Cartridge Fuses

Diagram: "Block Arrangement"



Application Notes on Terminal Blocks for Glass Cartridge Fuses

Nominal current ratings for fuse cartridges are defined differently in international standards. This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/ Part 3 (for a surrounding air temperature of 23°C).

Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).



Concerning product safety, fuse cartridges must generally be tested under both normal and faulty operating conditions within your application.

Marking



Snapping a marking strip into a marker



Snapping a marking strip into the marker

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

Current addresses can be found at:: www.wago.com

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