4-conductor fuse terminal block; with pivoting fuse holder; and end plate; for 5×20 mm miniature metric fuse; with push-button; without blown fuse indication; for DIN-rail 35×15 and 35×7.5 ; 2.5 mm^2 ; Push-in CAGE CLAMP®; 2.50 mm^2 ; orange



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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	-	-

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	CS	SA 22.2 No 1	58
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 $P_{\rm l}$ max. short-circuit protection (individual arrangement)	1.6 W
Power loss P _I max. short-circuit protection (group arrangement)	1.6 W

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



Connection data				
Connection points	4		Connection 1	
Total number of potentials	1		Connection technology	Push-in CAGE CLAMP®
Number of levels	1		Actuation type	Push-button
Number of jumper slots 2	2	2	Connectable conductor materials	Copper
		Nominal cross-section	2.5 mm²	
			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

Physical data	
Width	6.2 mm / 0.244 inches
Height	87.5 mm / 3.445 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	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.108 MJ
Actuator color	orange
Weight	16.6 g

Environmental requirements	
Processing temperature	-35 +85 °C
Continuous operating temperature	-60 +105 °C

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Commercial data		
ETIM 8.0	EC000899	
ETIM 7.0	EC000899	
PU (SPU)	50 pcs	
Country of origin	DE	
GTIN	4066966195132	
Customs tariff number	85369095000	

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories	UL 1059	E45172
Inc.		

Declarations of conformity and manufacturer's declarations

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

Approvals for hazardous areas





Approval	Standard	Certificate Name
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 2202-1812



https://www.wago.com/2202-1812



Documentation Additional Information **Technical Section** pdf 2240.62 KB

CAD/CAE-Data CAD data 2D/3D Models 2202-1812

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



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



Item No.: 210-196

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

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; simi-

lar 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

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

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1.2.2 End plate

1.2.2.1 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

1.2.3 Ferrule

1.2.3.1 Ferrule





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

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-156

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

1.2.4.2 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

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1.2.5 Insulation stop

1.2.5.1 Insulation stop





Item No.: 2002-171

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

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

1.2.6 Jumper

1.2.6.1 Jumper

Item No.: 2004-404









Item No.: 2004-406/020-000

Delta jumper; insulated; light gray

Item No.: 2004-410

Jumper; 10-way; insulated; light gray

Item No.: 2004-402

Jumper; 2-way; insulated; light gray

Item No.: 2004-403

Jumper; 3-way; insulated; light gray







<u>Item No.: 2004-407</u> Jumper; 7-way; insulated; light gray



Jumper; 4-way; insulated; light gray

Item No.: 2004-405

Jumper; 5-way; insulated; light gray

Item No.: 2004-406

Jumper; 6-way; insulated; light gray

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<u>Item No.: 2004-408</u> Jumper; 8-way; insulated; light gray Item No.: 2004-409

Jumper; 9-way; insulated; light gray

Item No.: 2004-440

Jumper; from 1 to 10; insulated; light gray

Item No.: 2004-433

Jumper; from 1 to 3; insulated; light gray



Item No.: 2004-434

Jumper; from 1 to 4; insulated; light gray

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

Item No.: 2004-436

Jumper; from 1 to 6; insulated; light gray

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



Item No.: 2004-438

Jumper; from 1 to 8; insulated; light gray

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Item No.: 2004-439

Jumper; from 1 to 9; insulated; light gray

Item No.: 2004-405/011-000

Star point jumper; 3-way; insulated; light

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Item No.: 210-103

Wire commoning chain; insulated; black



Item No.: 210-123

Wire commoning chain; insulated; blue

1.2.7 Locking system

1.2.7.1 Locking system



Item No.: 210-254

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

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1.2.8 Marking

1.2.8.1 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.: 2009-145/000-007

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

Mini-WSB Inline; for Smart Printer; 1700

pieces on roll; stretchable 5 - 5.2 mm;

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.: 2009-145/000-012

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

Item No.: 2009-145/000-005

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

plain; snap-on type; violet

Item No.: 2009-145/000-024

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.: 2009-145/000-002

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



Item No.: 248-501/000-006

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.: 248-501/000-012

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



Item No.: 248-501/000-005

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; light green

WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

5.2 mm; plain; snap-on type; white

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



Item No.: 248-501/000-024

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



Item No.: 248-501

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



Item No.: 248-501/000-002

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



Item No.: 793-5501/000-006 Item No.: 793-5501/000-014

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



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.: 793-5501/000-012

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.: 793-5501/000-002 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.: 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



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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



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

WMB-Inline; for Smart Printer; 1500 pie-

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

Item No.: 2009-115/000-005 Item No.: 2009-115/000-024

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

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1.2.8.2 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.9 Screwless end stop

1.2.9.1 Mounting accessories





Item No.: 249-117

Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

1.2.10 Test and measurement

1.2.10.1 Testing accessories



Item No.: 210-136

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

1.2.11 Tool

1.2.11.1 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









All conductor types at a glance

Push-in termination of solid and ferruled conductors

Push-in termination of solid and ferruled conductors

Insert fine-stranded conductors via operating tool.



Removing all conductors via operating tool.

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Commoning



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



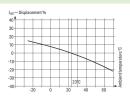
Application Notes on Terminal Blocks for Glass Cartridge Fuses

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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