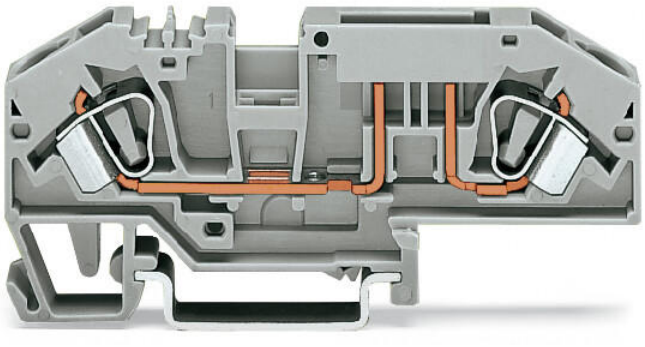
EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

Data sheet | Item number: 282-696

2-conductor fuse terminal block; for automotive blade-style fuses; with test option; without blown fuse indication; 6 mm²; CAGE CLAMP®; 6,00 mm²; gray

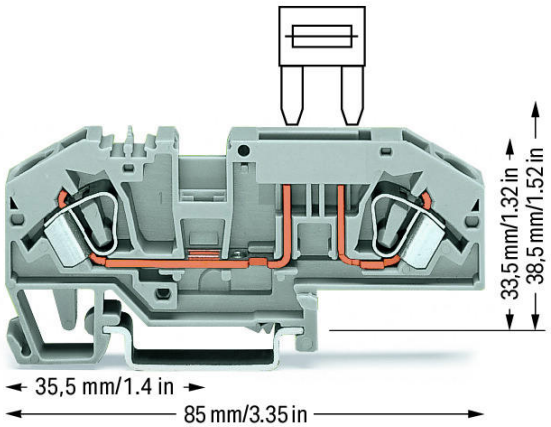
www.wago.com/282-696

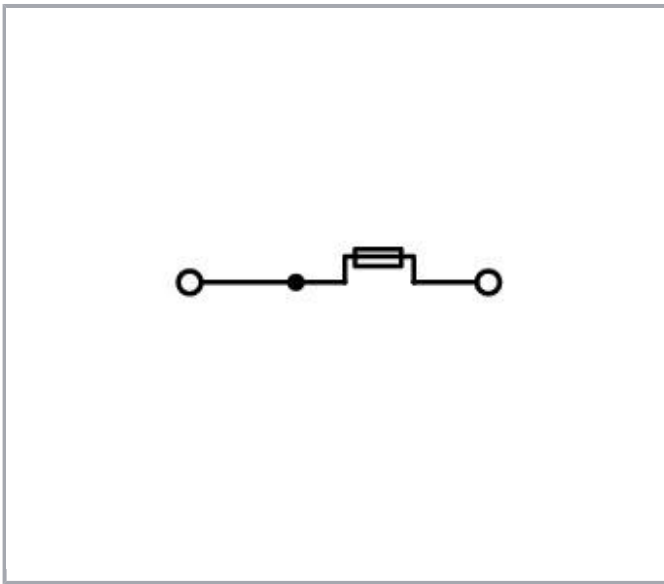


RoHS ✓ Compliant

BOMcheck.net

Color:





Item description

Safety information 1:

Subject to changes.

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Electrical ratings are given by the fuse.
Safety information 2:
Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Data
Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated current	25 A
Rated current (2)	30 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor	0.2 … 6 mm² / 24 … 10 AWG
Strip length	12 … 13 mm / 0.47 … 0.51 inch
Total number of connection points	2
Total number of potentials	2
Number of levels	1
Type of wiring	Front-entry wiring

Geometrical Data

Width	8 mm / 0.315 inch
Height from upper-edge of DIN-35 rail	33.5 mm / 1.319 inch
Depth	85 mm / 3.346 inch

Mechanical data

Design	angled
Type of mounting	DIN-35 rail
Marking level	Center marking

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Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.293 MJ
Weight	17.3 g

Commercial data

Product Group	1 (Rail Mounted Terminal Blocks)
Packaging type	BOX
Country of origin	CN
GTIN	4050821234517
Customs Tariff No.	85369095990

Approvals / Certificates

Country specific Approvals

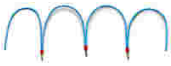
Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2 No. 158	1505033

UL-Approvals

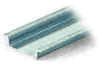
Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Compatible products

Jumper

	**Item no.: 210-103** Wire commoning chain; insulated; 50 connections; black	www.wago.com/210-103
	**Item no.: 210-123** Wire commoning chain; insulated; 50 connections	www.wago.com/210-123
	**Item no.: 282-402** Adjacent jumper; insulated; Nominal current 41 A	www.wago.com/282-402
	**Item no.: 282-409** Alternate jumper; insulated; Nominal current 41 A; gray	www.wago.com/282-409
	**Item no.: 282-422** Adjacent jumper; insulated; Nominal current 41 A; yellow-green	www.wago.com/282-422
	**Item no.: 282-424** Adjacent jumper; insulated; Nominal current 41 A; orange	www.wago.com/282-424
	**Item no.: 709-110** Wire commoning chain; insulated; 4 connections; 3 x 110 mm; black	www.wago.com/709-110
	**Item no.: 709-111** Wire commoning chain; insulated; 3 connections; 2 x 120 mm; black	www.wago.com/709-111
	**Item no.: 709-112** Wire commoning chain; insulated; 3 connections; 2 x 170 mm; black	www.wago.com/709-112

Carrier rail

	**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	www.wago.com/210-112
	**Item no.: 210-113** Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-113
	**Item no.: 210-114** Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	www.wago.com/210-114
	**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	www.wago.com/210-115
	**Item no.: 210-118** Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-118
	**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	www.wago.com/210-196
	**Item no.: 210-197** Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	www.wago.com/210-197

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	**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	www.wago.com/210-198
	**Item no.: 210-504** Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	www.wago.com/210-504
	**Item no.: 210-505** Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	www.wago.com/210-505
	**Item no.: 210-506** Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	www.wago.com/210-506
	**Item no.: 210-508** Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	www.wago.com/210-508
General accessories		
	**Item no.: 209-143** Group marker carrier	www.wago.com/209-143
	**Item no.: 209-144** Group marker carrier	www.wago.com/209-144
	**Item no.: 709-310** B-type test plug module; modular; suitable for all WAGO 282 Series rail-mounted terminal blocks with jumper slots; 6,00 mm²; gray	www.wago.com/709-310
	**Item no.: 709-311** B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray	www.wago.com/709-311
Marking accessories		
	**Item no.: 2009-115** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	**Item no.: 2009-115/000-002** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-115/000-002
	**Item no.: 2009-115/000-006** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-115/000-006
	**Item no.: 2009-115/000-007** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-115/000-007
	**Item no.: 2009-115/000-012** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-115/000-012
	**Item no.: 2009-115/000-017** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/2009-115/000-017

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	**Item no.: 2009-115/000-023** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-115/000-023
	**Item no.: 2009-115/000-024** WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-115/000-024
	**Item no.: 249-105** Group marker carrier	www.wago.com/249-105
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	**Item no.: 793-501/000-002** WMB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/793-501/000-002
	**Item no.: 793-501/000-005** WMB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/793-501/000-005
	**Item no.: 793-501/000-006** WMB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/793-501/000-006
	**Item no.: 793-501/000-007** WMB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/793-501/000-007
	**Item no.: 793-501/000-012** WMB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/793-501/000-012
	**Item no.: 793-501/000-017** WMB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/793-501/000-017
	**Item no.: 793-501/000-023** WMB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/793-501/000-023
	**Item no.: 793-501/000-024** WMB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/793-501/000-024
	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	www.wago.com/793-5501
	**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	www.wago.com/793-5501/000-002

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	**Item no.: 793-5501/000-005** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/793-5501/000-005
	**Item no.: 793-5501/000-006** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/793-5501/000-006
	**Item no.: 793-5501/000-007** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/793-5501/000-007
	**Item no.: 793-5501/000-012** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/793-5501/000-012
	**Item no.: 793-5501/000-014** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; brown	www.wago.com/793-5501/000-014
	**Item no.: 793-5501/000-017** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/793-5501/000-017
	**Item no.: 793-5501/000-023** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/793-5501/000-023
	**Item no.: 793-5501/000-024** WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/793-5501/000-024

assembling

	**Item no.: 209-106** Mounting carrier; for isolated mounting on DIN 35 rails; gray	www.wago.com/209-106
	**Item no.: 709-154** Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent	www.wago.com/709-154

End plate

	**Item no.: 282-333** End plate; 2 mm thick	www.wago.com/282-333
	**Item no.: 282-334** End plate; 2 mm thick; gray	www.wago.com/282-334

check

	**Item no.: 209-170** Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs; gray	www.wago.com/209-170
	**Item no.: 210-136** Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136

protection

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	**Item no.: 282-415** Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	www.wago.com/282-415
ferrule		
	**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	www.wago.com/216-262
	**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	www.wago.com/216-263
	**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	www.wago.com/216-264
	**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	www.wago.com/216-266
	**Item no.: 216-267** Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-267
tools		
	**Item no.: 210-721** Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft	www.wago.com/210-721

Downloads

Documentation

Additional Information

Technical explanations	2019-04-03	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 282-696	URL	Download

CAE data

EPLAN Data Portal 282-696	Download
WSCAD Universe 282-696	Download

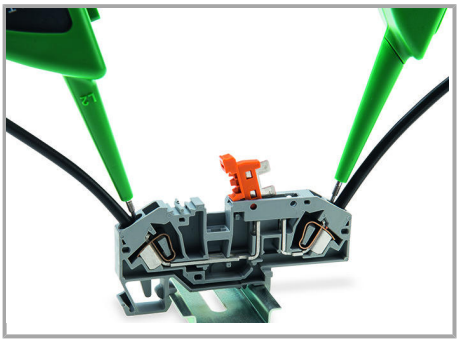
Installation Notes

Subject to changes.

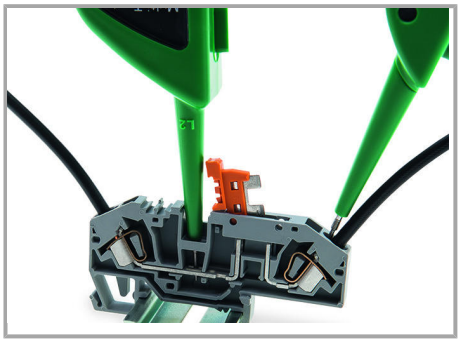
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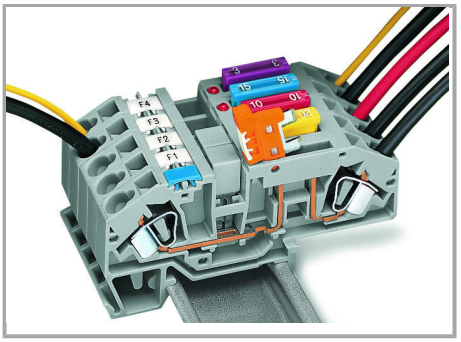
Testing



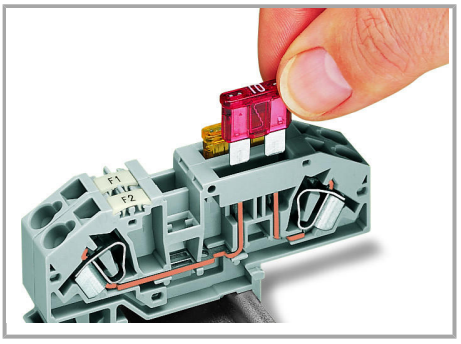
Testing via conductor entry.



Testing via jumper contact slot.



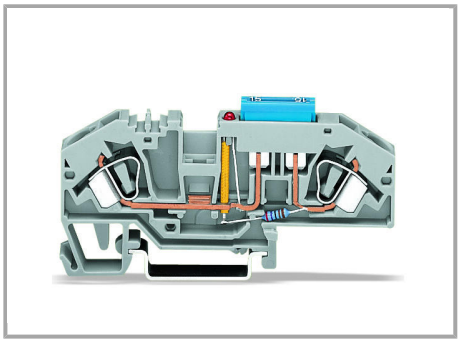
Power supply via disconnect link – disconnecting all outputs.



Inserting a fuse.



Blown fuse indication by LED

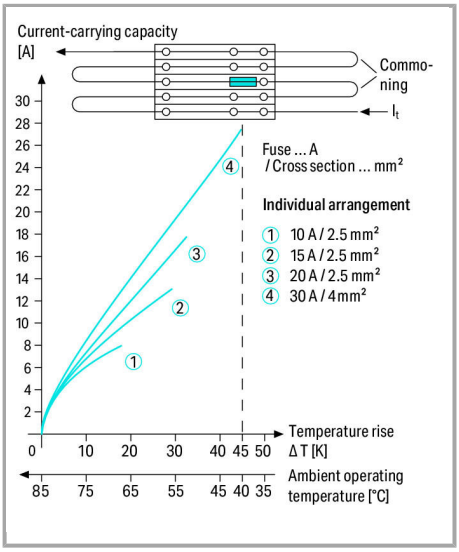


2-conductor fuse terminal block with mini-automotive blade-style fuse

Subject to changes.

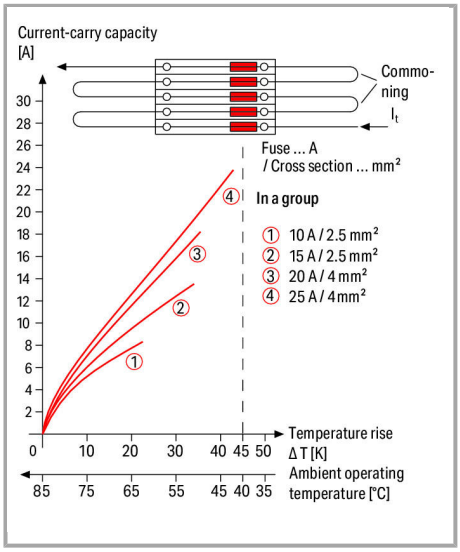
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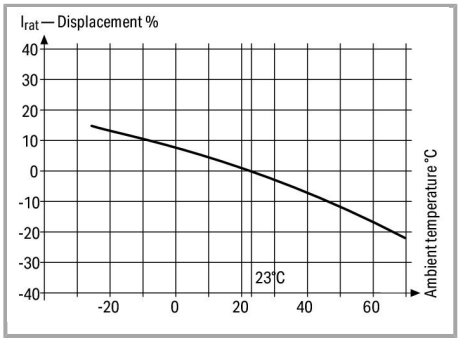
Application Notes on Terminal Blocks for Miniature Metric Fuses

Diagram: Individual arrangement



Application Notes on Terminal Blocks for Miniature Metric Fuses

Diagram: Block arrangement



Application Notes on Terminal Blocks for Miniature Metric 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 max. 80 % of their nominal current according to DIN 72581/Part 3 (for an ambient operating 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).

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Information from the mini-automotive, blade-type fuse manufacturers

Derating T_{amb} /°C	%	F_T
−25	14	0.877
−20	13	0.885
−15	12	0.893
−10	11	0.901
− 5	10	0.909
0	9	0.917
5	8	0.926
10	6	0.943
15	4	0.962
20	2	0.980
23	0	1.000
30	− 2	1.020
35	− 4	1.042
40	− 6	1.064
45	− 8	1.087
50	−10	1.111
55	−13	1.149
60	−16	1.190
65	−19	1.235
70	−22	1.282

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

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