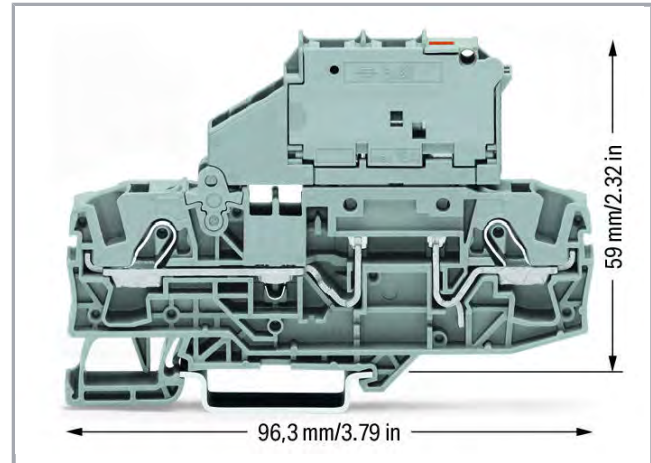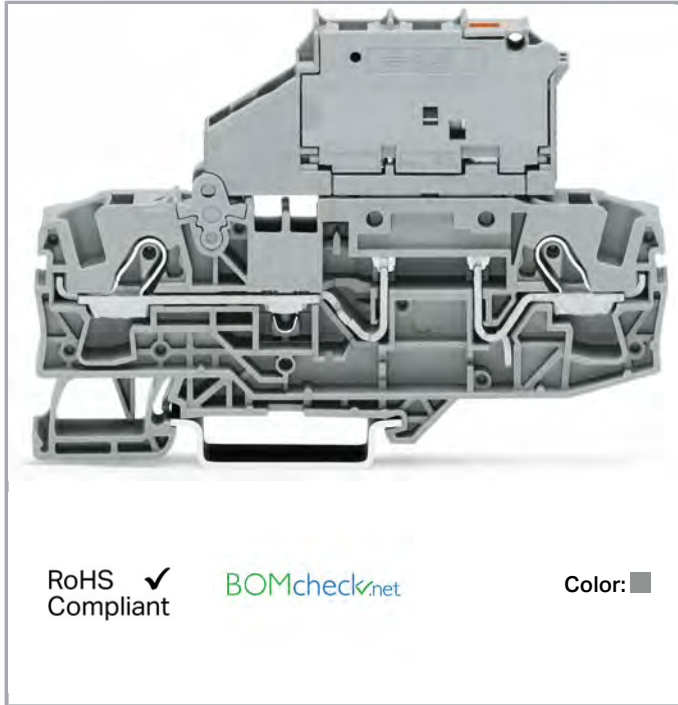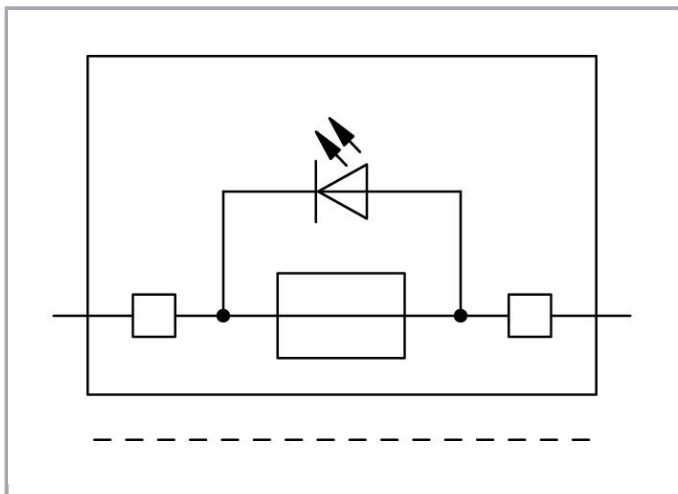# Data sheet | Item number: 2006-1611/1000-541

2-conductor fuse terminal block; with pivoting fuse holder; for 5 x 20 mm miniature metric fuse; with blown fuse indication by LED; 12 - 30 V; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; Push-in CAGE CLAMP®; 6,00 mm²; gray

RoHS ✔ Compliant   BOMcheck.net   Color: ◼

59 mm/2.32 in

96,3 mm/3.79 in

Item description

Safety information 1:
Electrical ratings are given by the fuse and blown fuse indication.

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

Safety information 2:
Leakage current in case of a blown fuse: LED 2 mA

Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-3
Nominal voltage (III/3)	800 V
Rated surge voltage (III/3)	8 kV
Rated current	10 A
Operation status indicator	12 … 30 V
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per CSA

Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	15 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross-section	6 mm²
Solid conductor	0,5 … 10 mm² / 20 … 8 AWG
Solid conductor; push-in termination	2,5 … 10 mm² / 14 … 8 AWG
Fine-stranded conductor	0,5 … 10 mm² / 20 … 8 AWG
Fine-stranded conductor; with insulated ferrule	2,5 … 6 mm² / 16 … 10 AWG
Fine-stranded conductor; with ferrule; push-in termination	2,5 … 6 mm² / 16 … 10 AWG
Strip length	13 … 15 mm / 0.51 … 0.59 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a

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

smaller cross section can also be inserted via push-in termination.

Number of jumper slots	2

Geometrical Data

Width	7,5 mm / 0.295 inch
Height from upper-edge of DIN-rail	59 mm / 2.323 inch
Depth	96,3 mm / 3.791 inch

Mechanical data

Design	horizontal
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material Data

Color	gray
Insulation material	Polyamide 66 (PA 66)
Weight	25 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	DE
GTIN	4045454823962
Customs tariff number	85369095990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
CCA	**CCA** DEKRA Certification B.V.	IEC 60947	NTR NL 7653/A1
CSA	**CSA** DEKRA Certification B.V.	C22.2 No. 158	1543858

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

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
![ABS logo]	**ABS** American Bureau of Shipping	EN 60947	20-HG1941090-PDA

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
![UL logo]	**UL** Underwriters Laboratories Inc.	UL 1059	E45172

Counterpart

Compatible products

ferrule

![ferrule image]	**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
![ferrule image]	**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
![ferrule image]	**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
![ferrule image]	**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.: 216-266

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

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.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

check

Item no.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

General accessories

Item no.: 2006-191
Lockout cap; for wire insertion and actuating opening; gray

Protective Warning Marker

Item no.: 2006-115
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

Locking lever

Item no.: 210-254
Interlocking link; mechanically locks multiple links; 1 m long; transparent

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

Item no.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

Item no.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

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

Item no.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

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.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715

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.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715

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

Item no.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715

Item no.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715

Item no.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715

Jumper

Item no.: 2006-402
Push-in type jumper bar; insulated; 2-way; Nominal current 41 A; light gray

Item no.: 2006-403
Push-in type jumper bar; insulated; 3-way; Nominal current 41 A; light gray

Item no.: 2006-404
Push-in type jumper bar; insulated; 4-way; Nominal current 41 A; light gray

Item no.: 2006-405
Push-in type jumper bar; insulated; 5-way; Nominal current 41 A; light gray

Item no.: 2006-405/011-000
Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray

Item no.: 2006-433
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 41 A; light gray

Item no.: 2006-434
Push-in type jumper bar; insulated; from 1 to 4; Nominal current 41 A; light gray

Item no.: 2006-435
Push-in type jumper bar; insulated; from 1 to 5; Nominal current 41 A; light gray

Item no.: 210-103
Wire commoning chain; insulated; 50 connections; black

Item no.: 210-123
Wire commoning chain; insulated; 50 connections

Marking accessories

Item no.: 2009-110
Marking strips; on reel; not stretchable; plain; snap-on type; white

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

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

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.: 2009-115/000-006
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.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

Item no.: 2009-115/000-017
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

Item no.: 2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

Item no.: 2009-115/000-024
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

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.: 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.: 2009-145/000-006
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

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.: 2009-145/000-023

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

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

Item no.: 2009-145/000-024
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

Item no.: 2009-198
Adaptor

Item no.: 248-501
Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

Item no.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

Item no.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

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.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

Item no.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

Item no.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

Item no.: 248-501/000-024
Mini-WSB 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

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

Item no.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

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.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item no.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item no.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

Item no.: 793-501/000-024
WMB marking card; as card; not stretchable; 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.: 793-5501/000-005
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.: 793-5501/000-006
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.: 793-5501/000-007
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.: 793-5501/000-012
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.: 793-5501/000-014
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-

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

on type; brown

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; green

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; light green

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

End plate

Item no.: 2006-1691
End and intermediate plate; 1 mm thick; gray

Item no.: 2006-1692
End and intermediate plate; 1 mm thick; orange

Item no.: 2006-991
End plate for fuse terminal blocks; 2 mm thick; gray

Item no.: 2006-992
End plate for fuse terminal blocks; 2 mm thick; orange

tools

Item no.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft

Downloads
Documentation

Additional Information

Technical explanations   Apr 3, 2019

CAD/CAE-Data

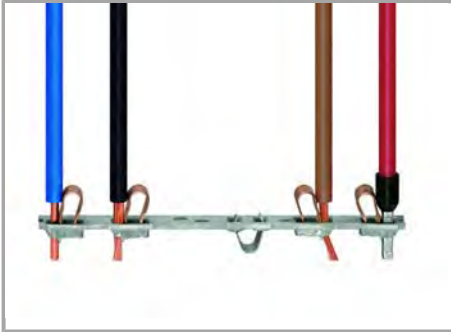**CAD data**

2D/3D Models 2006-1611/1000-541

CAE data

EPLAN Data Portal 2006-1611/1000-541

WSCAD Universe 2006-1611/1000-541

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

Installation Notes

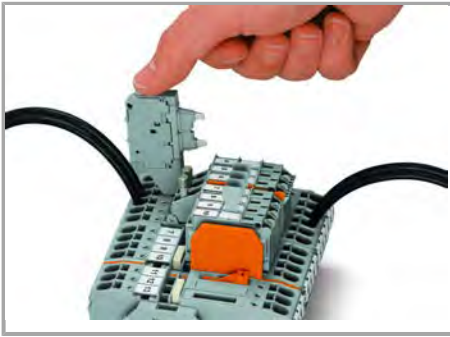**Conductor termination**

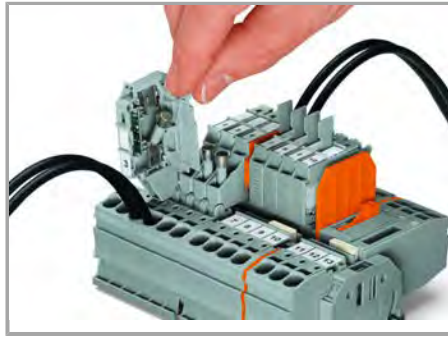
All conductor types at a glance

Pivoting fuse holder with spare fuse holder

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

Fused disconnect terminal block with a pivoting fuse holder

Fused disconnect terminal block with a pivoting fuse holder

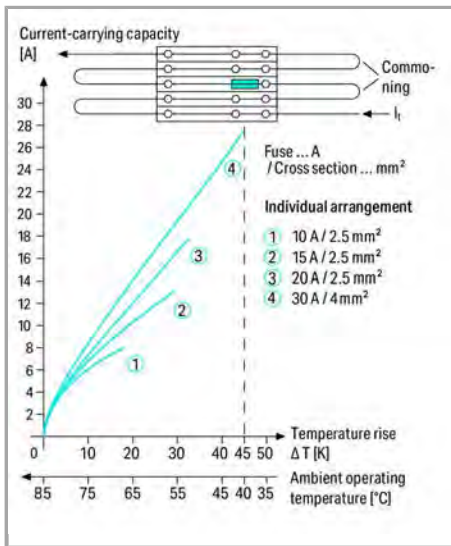Pivot the fuse holder into the locked open position.

Fuse replacement:

Open the cover to replace the fuse.

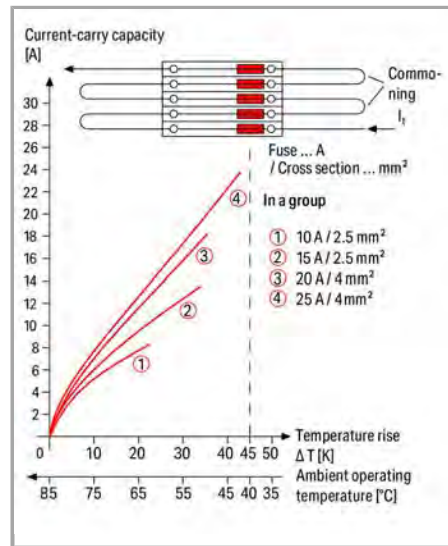| Glass cartridge fuses					
Series Item No.		Overload and short circuit protection		Short circuit protection only	
		Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
Fused disconnect terminal blocks					
2006-1611	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1621	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631 /099-...	10.4	2.5 W	2.5 W	2.5 W	2.5 W
2006-1631 /1099-...	10.4	2.5 W	2.5 W	2.5 W	2.5 W

When selecting miniature metric fuses, make sure that the maximum power loss listed above 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 blocks must be checked according to their application and mounting. Higher ambient temperatures place additional strain on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the fuse manufacturers.

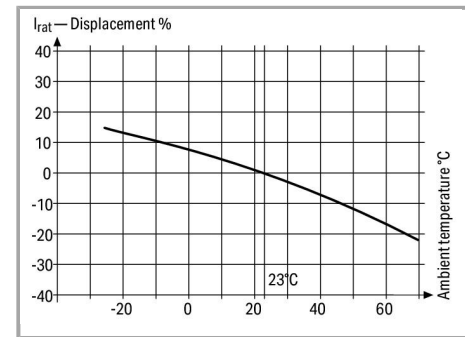Subject to changes. Please also observe the further product documentation!

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).

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

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.

Product family

TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

Show all products from the family

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