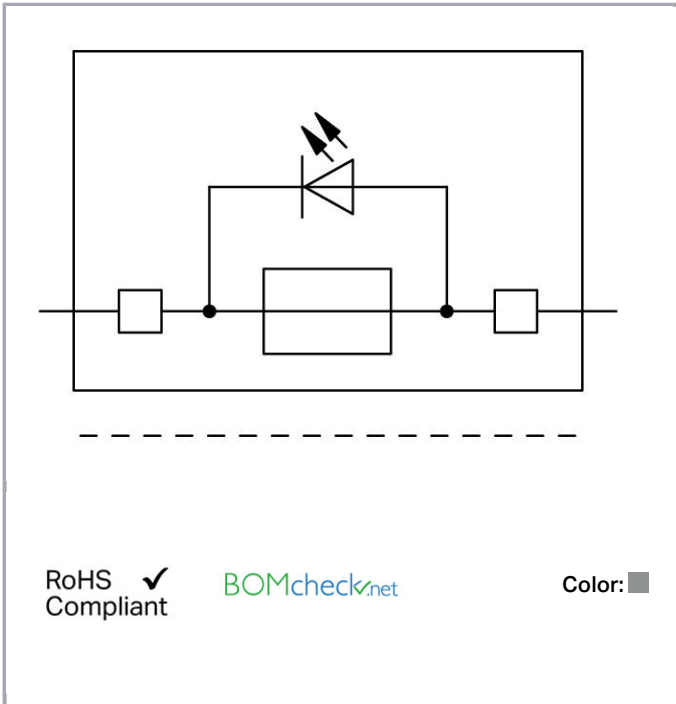


Data sheet | Item number: 2002-1811/1000-542

4-conductor fuse terminal block; with pivoting fuse holder; with end plate; for 5 x 20 mm miniature metric fuse; with blown fuse indication by LED; 30 - 65 V; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; Push-in CAGE CLAMP®; 2,50 mm²; gray



www.wago.com/2002-1811/1000-542



Item description

Safety information 1:

Electrical ratings are given by the fuse and blown fuse indication.

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 |
|---------------------------------|------------------|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 6 kV |
| Rated current | 6.3 A |
| Operation status indicator | 30 ... 65 V |

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Legend (ratings)

(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per UL 1059

| | |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 65 V |
| Rated current UL (Use Group B) | 6.3 A |
| Rated voltage UL (Use Group C) | 65 V |
| Rated current UL (Use Group C) | 6.3 A |
| Rated voltage UL (Use Group D) | 65 V |
| Rated current UL (Use Group D) | 6.3 A |
| Approvals per | UL 1059 |

Connection data

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-in Open Tool Slot |
| Connectable conductor materials | Copper |
| Nominal cross section | 2,5 mm ² |
| Solid conductor | 0,25 ... 4 mm ² / 22 ... 12 AWG |
| Solid conductor, push-in termination | 0,75 ... 4 mm ² / 18 ... 12 AWG |
| Fine-stranded conductor | 0,25 ... 4 mm ² / 22 ... 12 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 1 ... 2,5 mm ² / 18 ... 12 AWG |
| Fine-stranded conductor with ferrule, push-in termination, from | 1 ... 2,5 mm ² / 18 ... 12 AWG |
| Strip length | 10 ... 12 mm / 0.39 ... 0.47 inch |
| Total number of connection points | 4 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Type of wiring | Front-entry wiring |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Number of jumper slots | 2 |

Geometrical Data

| | |
|---------------------------------------|----------------------|
| Width | 6,2 mm / 0.244 inch |
| Height from upper-edge of DIN-35 rail | 57,2 mm / 2.252 inch |
| Depth | 87,5 mm / 3.445 inch |

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

Mechanical data

| | |
|------------------|---------------------|
| Design | horizontal type |
| Type of mounting | DIN-35 rail |
| Marking level | Center/side marking |

Material Data




| | |
|---------------------|----------------------|
| Color | gray |
| Insulating material | Polyamide 66 (PA 66) |
| Weight | 16.9 g |

Commercial data

| | |
|--------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454790080 |
| Customs Tariff No. | 85369095990 |

Approvals / Certificates

Ex-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|-------------------------|
|  | AEx Underwriters Laboratories Inc. | UL 60079 | 20190704- E185892 |
|  | ATEX KIWA Netherlands B.V. | EN 60079 | KIWA 17ATEX0030 U |
|  | IECEX KIWA Netherlands B.V. | EN 60079 | IECEX KIWA 17.0014U |

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | CCA | EN 60947 | NTR NL |

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



DEKRA Certification B.V.

7730

CSA
DEKRA Certification B.V.

C22.2 No. 158



1536069

KEMA/KEUR
DEKRA Certification B.V.


EN 60947

71-
107687

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

UL-Approvals

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

Counterpart














Compatible products

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









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Test Accessories

| | | |
|--|--|--|
| | Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red | www.wago.com/210-136 |
| Jumper | | |
|  | Item no.: 2004-402 Push-in type jumper bar; insulated; 2-way; Nominal current 32 A; light gray | www.wago.com/2004-402 |
|  | Item no.: 2004-403 Push-in type jumper bar; insulated; 3-way; Nominal current 32 A; light gray | www.wago.com/2004-403 |
|  | Item no.: 2004-404 Push-in type jumper bar; insulated; 4-way; Nominal current 32 A; light gray | www.wago.com/2004-404 |
|  | Item no.: 2004-405 Push-in type jumper bar; insulated; 5-way; Nominal current 32 A; light gray | www.wago.com/2004-405 |
|  | Item no.: 2004-405/011-000 Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray | www.wago.com/2004-405/011-000 |
|  | Item no.: 2004-406 Push-in type jumper bar; insulated; 6-way; Nominal current 32 A; light gray | www.wago.com/2004-406 |
|  | Item no.: 2004-406/020-000 Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray | www.wago.com/2004-406/020-000 |
| | Item no.: 2004-407 Push-in type jumper bar; insulated; 7-way; Nominal current 32 A; light gray | www.wago.com/2004-407 |
|  | Item no.: 2004-408 Push-in type jumper bar; insulated; 8-way; Nominal current 32 A; light gray | www.wago.com/2004-408 |
|  | Item no.: 2004-409 Push-in type jumper bar; insulated; 9-way; Nominal current 32 A; light gray | www.wago.com/2004-409 |
|  | Item no.: 2004-410 Push-in type jumper bar; insulated; 10-way; Nominal current 32 A; light gray | www.wago.com/2004-410 |
|  | Item no.: 2004-433 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 32 A; light gray | www.wago.com/2004-433 |
|  | Item no.: 2004-434 Push-in type jumper bar; insulated; from 1 to 4; Nominal current 32 A; light gray | www.wago.com/2004-434 |
|  | Item no.: 2004-435 Push-in type jumper bar; insulated; from 1 to 5; Nominal current 32 A; light gray | www.wago.com/2004-435 |

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

| | | |
|--|--|--|
|  | Item no.: 2004-436 Push-in type jumper bar; insulated; from 1 to 6; Nominal current 32 A; light gray | www.wago.com/2004-436 |
|  | Item no.: 2004-437 Push-in type jumper bar; insulated; from 1 to 7; Nominal current 32 A; light gray | www.wago.com/2004-437 |
|  | Item no.: 2004-438 Push-in type jumper bar; insulated; from 1 to 8; Nominal current 32 A; light gray | www.wago.com/2004-438 |
|  | Item no.: 2004-439 Push-in type jumper bar; insulated; from 1 to 9; Nominal current 32 A; light gray | www.wago.com/2004-439 |
|  | Item no.: 2004-440 Push-in type jumper bar; insulated; from 1 to 10; Nominal current 32 A; light gray | www.wago.com/2004-440 |
| | 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 |
| 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 |
|  | 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 |

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

| | | |
|--|--|--|
|  | 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 |
| tools | | |
| | Item no.: 210-658 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short | www.wago.com/210-658 |
|  | Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft | www.wago.com/210-720 |
| Protective Warning Marker | | |
| | Item no.: 2002-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow | www.wago.com/2002-115 |
| ferrule | | |
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
| | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
| | Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
|  | Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-246 |
| | Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 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 mm ² / 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 mm ² / 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 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-266 |
| End plate | | |
|  | Item no.: 2002-991 End plate for fuse terminal blocks; 2 mm thick; gray | www.wago.com/2002-991 |

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



Item no.: 2002-992
End plate for fuse terminal blocks; 2 mm thick; orange

www.wago.com/2002-992

N-busbar

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

www.wago.com/210-254

Insulation stop

Item no.: 2002-171
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/2002-171



Item no.: 2002-172
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

www.wago.com/2002-172

Push-In type wire jumper

Item no.: 2009-412
Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-412

Item no.: 2009-414
Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-414



Item no.: 2009-416
Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black

www.wago.com/2009-416

Marking accessories

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

www.wago.com/2009-110



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

www.wago.com/2009-115/000-002



Item no.: 2009-115/000-005
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115/000-005



Item no.: 2009-115/000-006
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115/000-006











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

www.wago.com/2009-115/000-007

Item no.: 2009-115/000-012
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-115/000-012

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

| | | |
|--|---|--|
|  | Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115/000-017 |
|  | 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 | www.wago.com/2009-115/000-023 |
| | Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115/000-024 |
|  | Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
|  | 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; white | www.wago.com/2009-145/000-002 |
| | 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 | www.wago.com/2009-145/000-005 |
|  | 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 | www.wago.com/2009-145/000-006 |
|  | 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; white | www.wago.com/2009-145/000-007 |
| | 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 | www.wago.com/2009-145/000-012 |
|  | 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 | www.wago.com/2009-145/000-023 |
| | 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 | www.wago.com/2009-145/000-024 |
|  | Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card | www.wago.com/248-501 |
|  | Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
|  | Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |

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



Item no.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/248-501/000-006

Item no.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/248-501/000-007



Item no.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/248-501/000-012



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

www.wago.com/248-501/000-017



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

www.wago.com/248-501/000-023



Item no.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/248-501/000-024



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

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

| | | |
|--|--|--|
|  | 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 |
|  | 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 | www.wago.com/793-5501/000-005 |
|  | 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 | www.wago.com/793-5501/000-006 |
|  | 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 | www.wago.com/793-5501/000-007 |
|  | 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 | www.wago.com/793-5501/000-012 |
|  | 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 | www.wago.com/793-5501/000-014 |
|  | 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 | www.wago.com/793-5501/000-017 |
|  | 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 | www.wago.com/793-5501/000-023 |
|  | 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 | www.wago.com/793-5501/000-024 |

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 2.1 MB | Download |
|------------------------|-------------|---------------|----------|

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

CAD/CAE-Data

CAD data

2D/3D Models 2002-1811/1000-542

[URL](#)

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CAE data

EPLAN Data Portal 2002-1811/1000-542

[URL](#)

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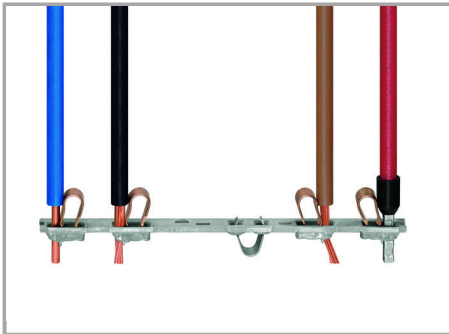
WSCAD Universe 2002-1811/1000-542

[URL](#)

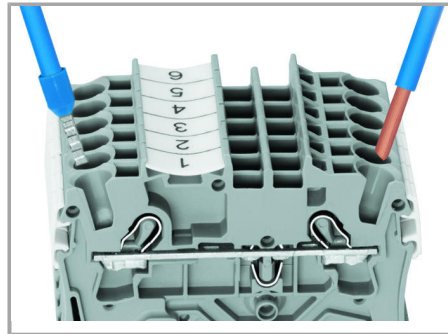
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Installation Notes

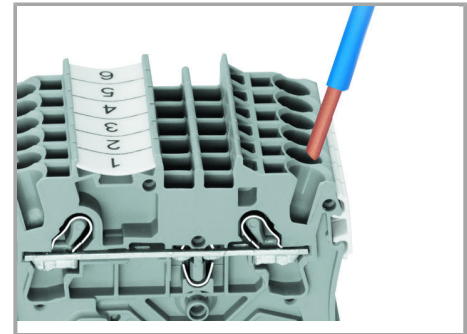
Inserting a conductor



All conductor types at a glance



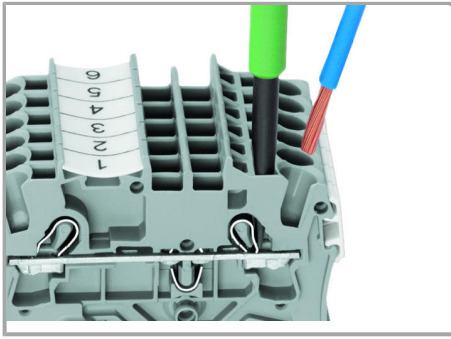
Terminating solid and ferruled conductors via push-in connection.



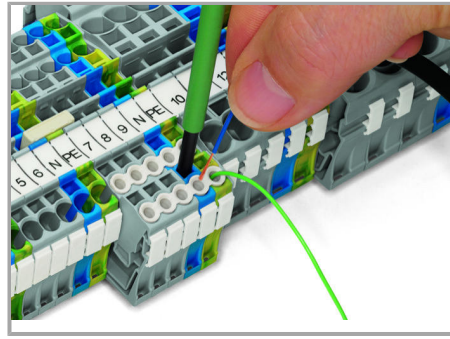
Inserting conductors via push-in termination.

Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

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



Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

The smart feature:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

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

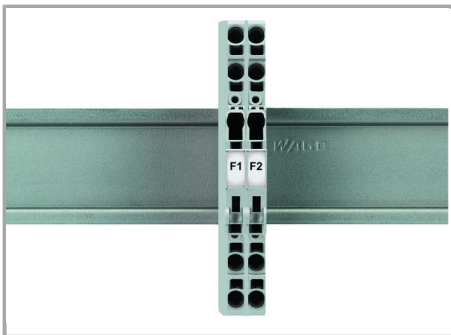


The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Removing a push-in type jumper bar.

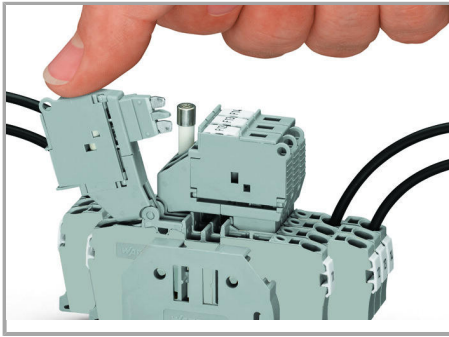
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

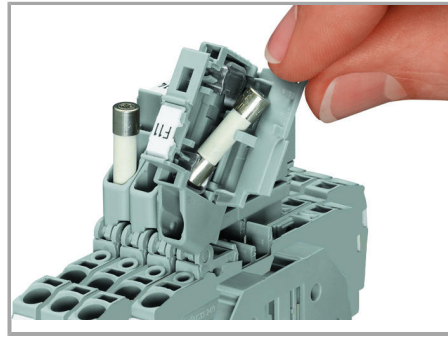


Fuse terminal blocks with a width of 6.2 mm can be assembled adjacently. If there is no adjacent fuse terminal block at the end of the assembly, an end plate must be used.

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



Fused disconnect terminal block with a pivoting fuse holder – pivoting the fuse holder into the locked open position.



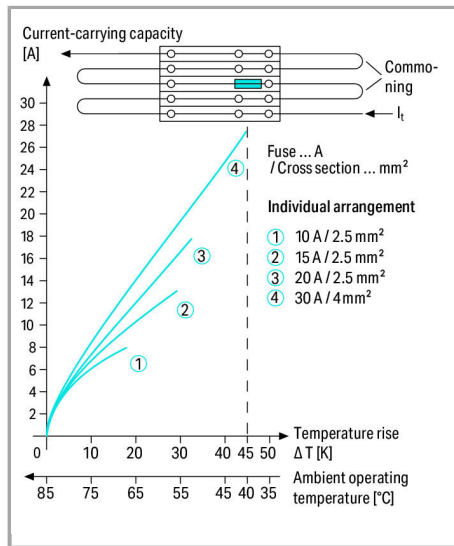
Fused disconnect terminal block with a pivoting fuse holder – replacing a fuse.

Glass cartridge fuse 5 x 20

| Series Item No. | Overload and short circuit protection | | Short circuit protection only | |
|----------------------|--|-----------------|----------------------------------|-----------------|
| | Individual argmt. | Group argmt. | Individual argmt. | Group argmt. |
| Fuse terminal blocks | | | | |
| 2002-1611 | | | | |
| 2002-1711 | 1.6 W | 1.6 W | 2.5 W | 2.5 W |
| 2002-1811 | | | | |
| 2002-1611/..... | | | | |
| 2002-1711/..... | 1.6 W | 1.6 W | 2.5 W | 2.5 W |
| 2002-1811/..... | | | | |

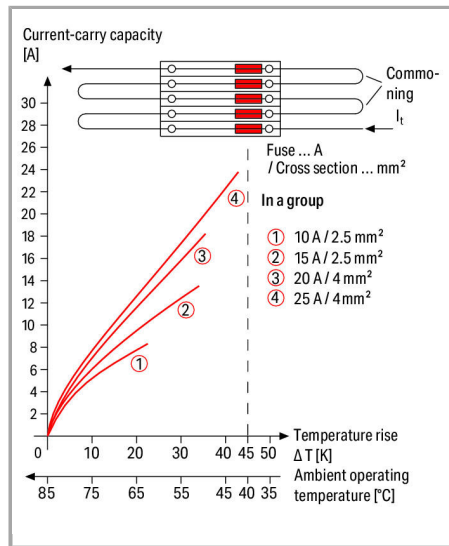
When selecting miniature metric fuses, make sure that the maximum power loss listed above is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23 °C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher 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!



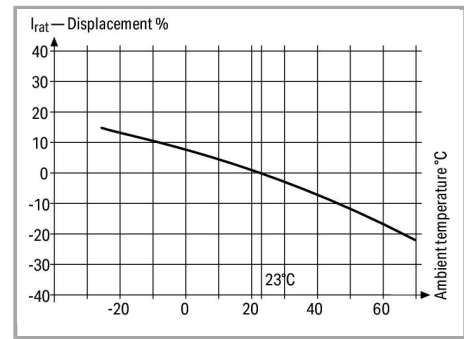
Application Notes on Terminal Blocks for Miniature Metric Fuses

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).

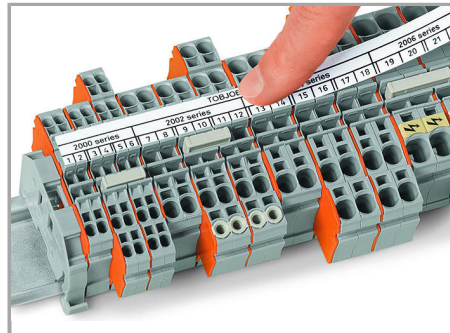
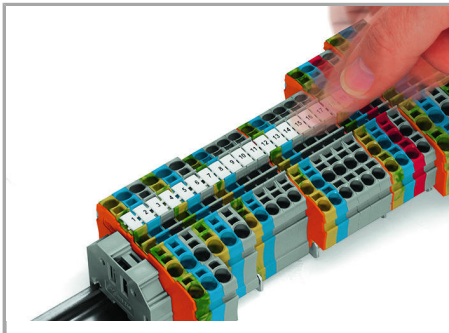
Subject to changes. Please also observe the further product documentation!

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

| Derating $T_{amb} / ^\circ C$ | % | 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.

Marking



Snapping WMB Inline markers into marker slots.

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.

[Learn more about the product family.](#)

[Show all products from the family](#)

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