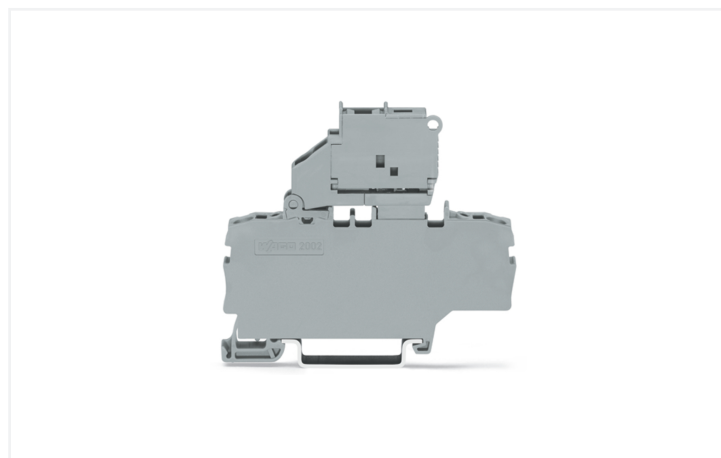
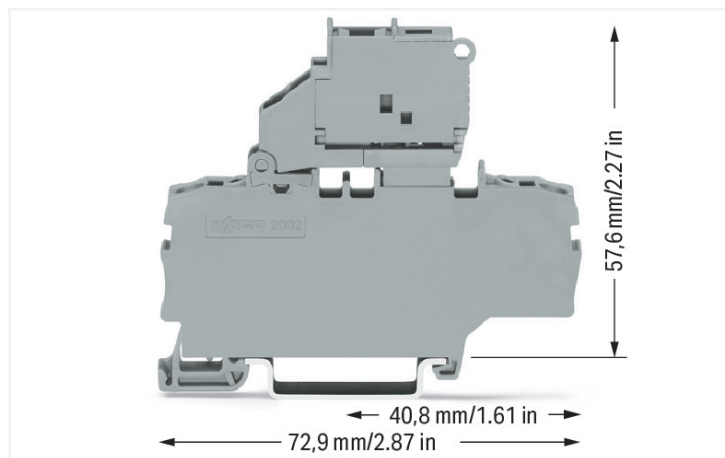


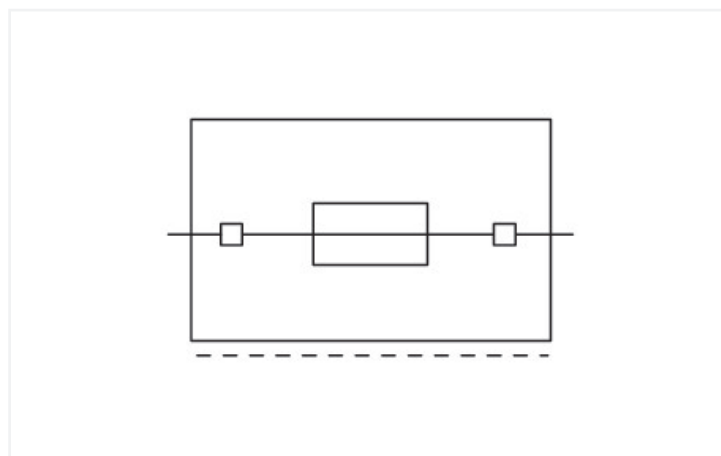
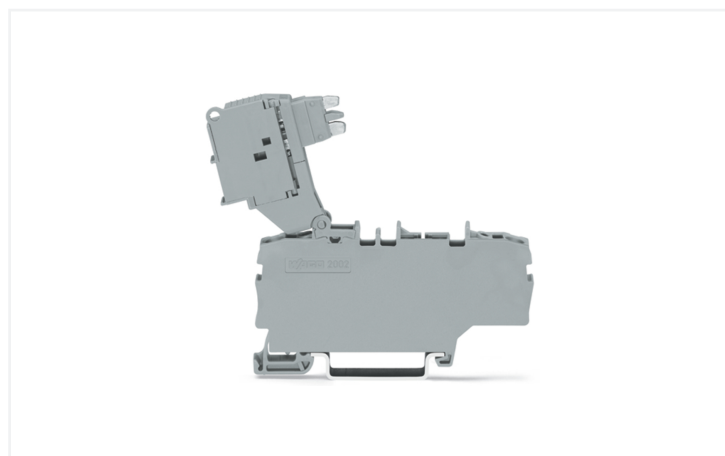
## Data Sheet | Item Number: 2002-1911

2-conductor fuse terminal block; with pivoting fuse holder; with additional jumper position; for 5 x 20 mm miniature metric fuse; without blown fuse indication; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

<https://www.wago.com/2002-1911>



Color: ■ gray



### Fuse terminal block, 2002 Series, Push-in CAGE CLAMP®

Our fuse terminal block (item number 2002-1911) ensures effortless electrical installations. Ensure that the strip lengths are between 10 and 12 mm when connecting conductors to this fuse terminal block. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. This fuse terminal block is suitable for conductor cross sections ranging from 0.25 mm<sup>2</sup> to 4 mm<sup>2</sup>.

This product is designed for specific Ex applications (please refer to the product datasheet).

| Notes              |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Safety Information | The 2 mm test slot is only approved for high impedance measurement up to max. 100 mA. |

Electrical data

| Ratings per                     |       | IEC/EN 60947-7-3 |    |
|---------------------------------|-------|------------------|----|
| Overvoltage category            | III   | III              | II |
| Pollution degree                | 3     | 2                | 2  |
| Nominal voltage                 | 250 V | -                | -  |
| Rated impulse withstand voltage | 6 kV  | -                | -  |
| Rated current                   | 6.3 A | -                | -  |

| Ratings per IEC/EN – Notes |                                           |
|----------------------------|-------------------------------------------|
| Ratings (note)             | Electrical ratings are given by the fuse. |

| Approvals per |       | UL 1059 |       |
|---------------|-------|---------|-------|
| Use group     | B     | C       | D     |
| Rated voltage | 600 V | 600 V   | 600 V |
| Rated current | 6.3 A | 6.3 A   | 6.3 A |

| Approvals per |       | CSA 22.2 No 158 |   |
|---------------|-------|-----------------|---|
| Use group     | B     | C               | D |
| Rated voltage | 600 V | 600 V           | - |
| Rated current | 6.3 A | 6.3 A           | - |

| Ex information               |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| Reference to hazardous areas | See “Downloads – Documentation – Additional Information: Technical Section; Technical Explanations” |
| Ratings per                  | ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)                                     |
| Rated voltage EN (Ex e II)   | 275 V                                                                                               |
| Rated current (Ex e II)      | 6.3 A                                                                                               |

| Power Loss                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power loss $P_{loss(max)}$ (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. |
| Maximum power loss $P_{loss}$ of fuse insert for overload and short-circuit protection (individual arrangement) | 1.6 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Maximum power loss $P_{loss}$ of fuse insert for overload and short-circuit protection (block arrangement)      | 1.6 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Maximum power loss $P_{loss}$ of fuse insert for short-circuit protection (individual arrangement)              | 2.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power loss $P_{loss(max)}$ of fuse cartridge for short-circuit protection (block arrangement)                   | 2.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

| General information |                             |
|---------------------|-----------------------------|
| Fuse receptacle     | pivoting                    |
| Fuse type           | Cylindrical fuse; 5 x 20 mm |
| Wiring direction    | Front-entry wiring          |

Connection Data

|                            |   |
|----------------------------|---|
| Clamping units             | 2 |
| Total number of potentials | 1 |
| Number of levels           | 1 |
| Number of jumper slots     | 3 |

| Connection 1                         |                                |
|--------------------------------------|--------------------------------|
| Connection technology                | Push-in CAGE CLAMP®            |
| Actuation type                       | Operating tool                 |
| 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 |



| Connection 1                                               |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG                                                                                      |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm <sup>2</sup> / 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                            | 72.9 mm / 2.87 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)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.264 MJ                                                                 |
| Weight                             | 14 g                                                                     |

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

| Environmental Testing                                                                               |                                                    |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06                |
| Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04               |
| Spectrum/Mounting location                                                                          | Service life test, Category 1, Class A/B           |
| Functional test with noise-like oscillations                                                        | Test passed according to Section 8 of the standard |
| Frequency                                                                                           | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz   |
| Acceleration                                                                                        | 0.101g (highest test level used for all axes)      |
| Test duration per axis                                                                              | 10 min.                                            |
| Test directions                                                                                     | X, Y and Z axes                                    |
| Monitoring of contact faults and interruptions                                                      | Passed                                             |
| Voltage drop measurement before and after each axis                                                 | Passed                                             |
| Simulated service life test through increased levels of noise-like oscillations                     | Test passed according to Section 9 of the standard |
| Frequency                                                                                           | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz   |
| Acceleration                                                                                        | 0.572g (highest test level used for all axes)      |
| Test duration per axis                                                                              | 5 h                                                |



| Environmental Testing                                                 |                                                     |
|-----------------------------------------------------------------------|-----------------------------------------------------|
| Test directions                                                       | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions      | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis | Passed                                              |
| Shock test                                                            | Test passed according to Section 10 of the standard |
| Shock pulse form                                                      | Half sine                                           |
| Acceleration                                                          | 5g (highest test level used for all axes)           |
| Shock duration                                                        | 30 ms                                               |
| Number of shocks (per axis)                                           | 3 pos. und 3 neg.                                   |
| Test directions                                                       | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions      | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis | Passed                                              |
| Vibration and shock stress for rolling stock equipment                | Passed                                              |

| Commercial data       |               |
|-----------------------|---------------|
| Product Group         | 22 (TOPJOB S) |
| PU (SPU)              | 50 pcs        |
| Packaging type        | Box           |
| Country of origin     | CN            |
| GTIN                  | 4055143867894 |
| Customs tariff number | 85369095000   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121410             |
| eCl@ss 10.0            | 27-14-11-16          |
| eCl@ss 9.0             | 27-14-11-16          |
| ETIM 9.0               | EC000899             |
| ETIM 10.0              | EC000899             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

Approvals / Certificates

| General approvals                     |               |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|---------------------------------------|---------------|------------------|------------------------------------------------------------|----------|------------------|
|                                       |               |                  |                                                            |          |                  |
| Approval                              | Standard      | Certificate Name | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.       | EN 60947      | NTR NL-8054      | ATEX-Attestation of Conformity<br>WAGO GmbH & Co. KG       | -        | -                |
| CSA<br>CSA Group                      | C22.2 No. 158 | 154112           | ATEX-Attestation of Conformity<br>WAGO GmbH & Co. KG       | -        | -                |
| DEKRA<br>DEKRA Certification B.V.     | EN 60947      | 71-149763        | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG         | -        | -                |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947      | 71-124163        | Railway<br>WAGO GmbH & Co. KG                              | -        | Railway Ready    |
| UL<br>Underwriters Laboratories Inc.  | UL 1059       | E45172           |                                                            |          |                  |



Declarations of conformity and manufacturer's declarations

UK-Declaration of Conformity -  
WAGO GmbH & Co. KG

Approvals for marine applications

|    |          |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|
| Approval                                                                                                                                                                                                                                                 | Standard | Certificate Name  |
| ABS<br>American Bureau of Shipping                                                                                                                                                                                                                       | EN 60947 | 24-0152298-PDA    |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd                                                                                                                                                                                                         | -        | TAE00001V2        |
| PRS<br>Polski Rejestr Statków                                                                                                                                                                                                                            | -        | TE/1094/880590/23 |

Approvals for hazardous areas

|     |             |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------|
| Approval                                                                                                                                                                                                                                                                                                                               | Standard    | Certificate Name                     |
| AEx<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                  | UL 60079    | E185892 (AEx eb IIC resp. Ex eb IIC) |
| ATEX<br>KIWA Netherlands B.V.                                                                                                                                                                                                                                                                                                          | EN 60079    | KIWA 17ATEX0030 U                    |
| CCC<br>CNEX                                                                                                                                                                                                                                                                                                                            | GB/T 3836.3 | 2020312313000180 (Ex ec IIC Gc)      |
| IECEX<br>KIWA Netherlands B.V.                                                                                                                                                                                                                                                                                                         | EN 60079    | IECEX KIWA 17.0014U (Ex ec IIC Gc)   |

Downloads

Environmental Product Compliance

| Compliance Search                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------|
| Environmental Product Compliance 2002-1911  |

Documentation

| Bid Text                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------|
| 2002-1911 23.04.2019 xml 4.08 KB    |
| 2002-1911 23.04.2019 docx 15.40 KB  |



CAD/CAE-Data

| CAD data                  | CAE data                       |
|---------------------------|--------------------------------|
| 2D/3D Models<br>2002-1911 | EPLAN Data Portal<br>2002-1911 |
|                           | WSCAD Universe<br>2002-1911    |
|                           | ZUKEN Portal 2002-1911         |

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



**Item No.: 210-196**  
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



**Item No.: 210-198**  
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored



**Item No.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; 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; slopped; similar to EN 60715; silver-colored



**Item No.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; 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; unslopped; similar to EN 60715; silver-colored



**Item No.: 210-118**  
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



**Item No.: 210-115**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; silver-colored



**Item No.: 210-112**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; silver-colored



**Item No.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; 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; unslopped; according to EN 60715; silver-colored



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored



1.2.2 Ferrule

1.2.2.1 Ferrule



**Item No.: 216-241**  
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



**Item No.: 216-242**  
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



1.2.5 Jumper

1.2.5.1 Jumper



**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



**Item No.: 2004-404**  
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



**Item No.: 2004-407**  
Jumper; 7-way; insulated; light gray



**Item No.: 2004-408**  
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



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



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



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



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



**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 gray



**Item No.: 210-103**  
Wire commoning chain; 0.5 mm<sup>2</sup>; insulated; black



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

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



**Item No.: 2009-193**  
Group marker carrier; gray

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.: 2009-145/000-007**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 2009-145/000-023**  
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



**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**  
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

## 1.2.7.2 Marker

**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**

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**

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.: 793-5501/000-014**

WMB marking card; as card; for terminal 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.: 793-5501/000-017**

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.: 793-5501/000-012**

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**

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.: 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

**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.: 2009-115/000-005**

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**

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

**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

## 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

1.2.8 Protective warning marker

1.2.8.1 Cover



**Item No.: 2002-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Push-in type wire jumper

1.2.9.1 Jumper



**Item No.: 2009-414**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black



**Item No.: 2009-414/000-005**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black



**Item No.: 2009-416**  
Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 250 mm long; black



**Item No.: 2009-414/000-006**  
Push-in type wire jumper; insulated; 110 mm long; black



**Item No.: 2009-412**  
Push-in type wire jumper; insulated; 60 mm long; black

1.2.10 Screwless end stop

1.2.10.1 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 x 15 and 35 x 7.5; gray

1.2.11 Test and measurement

1.2.11.1 Testing accessories



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

1.2.12 Tool

1.2.12.1 Operating tool



**Item No.: 210-658**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured



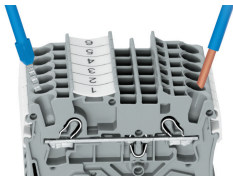
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

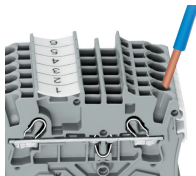
Conductor termination



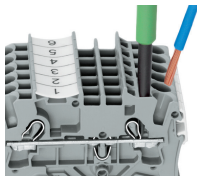
All conductor types at a glance



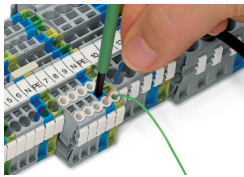
Push-in termination of solid and ferruled conductors



**Inserting a conductor 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.

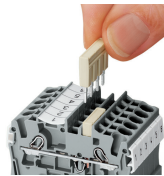


**Inserting a conductor via operating tool:**  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
**Advantage:**  
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

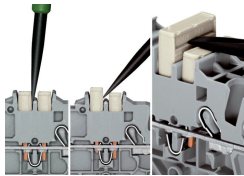


Conductor termination – insulation stop

Commoning



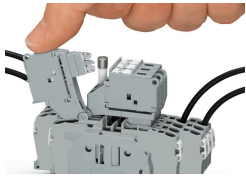
Insert push-in type jumper bar and push down until it hits backstop.



**Removing a push-in type jumper bar:**  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.  
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

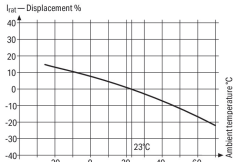
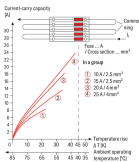
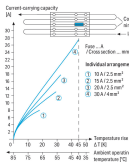


Fuse terminal blocks with a width of 6.2 mm/0.244 in can be assembled adjacently. If there is no adjacent fuse terminal block at the end of the assembly, an end plate must be used.



Fused Disconnect Terminal Block with a Pivoting Fuse Holder  
Pivot the fuse holder into the locked open position.

Fused disconnect terminal block with a pivoting fuse holder  
Fuse replacement



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

| Operating Temp. °C | F <sub>1</sub> |
|--------------------|----------------|
| 14                 | 0.877          |
| 15                 | 0.885          |
| 16                 | 0.893          |
| 17                 | 0.901          |
| 18                 | 0.909          |
| 19                 | 0.917          |
| 20                 | 0.925          |
| 21                 | 0.933          |
| 22                 | 0.941          |
| 23                 | 0.949          |
| 24                 | 0.957          |
| 25                 | 0.965          |
| 26                 | 0.973          |
| 27                 | 0.981          |
| 28                 | 0.989          |
| 29                 | 0.997          |
| 30                 | 1.005          |
| 31                 | 1.013          |
| 32                 | 1.021          |
| 33                 | 1.029          |
| 34                 | 1.037          |
| 35                 | 1.045          |
| 36                 | 1.053          |
| 37                 | 1.061          |
| 38                 | 1.069          |
| 39                 | 1.077          |
| 40                 | 1.085          |
| 41                 | 1.093          |
| 42                 | 1.101          |
| 43                 | 1.109          |
| 44                 | 1.117          |
| 45                 | 1.125          |
| 46                 | 1.133          |
| 47                 | 1.141          |
| 48                 | 1.149          |
| 49                 | 1.157          |
| 50                 | 1.165          |
| 51                 | 1.173          |
| 52                 | 1.181          |
| 53                 | 1.189          |
| 54                 | 1.197          |
| 55                 | 1.205          |
| 56                 | 1.213          |
| 57                 | 1.221          |
| 58                 | 1.229          |
| 59                 | 1.237          |
| 60                 | 1.245          |
| 61                 | 1.253          |
| 62                 | 1.261          |
| 63                 | 1.269          |
| 64                 | 1.277          |
| 65                 | 1.285          |
| 66                 | 1.293          |
| 67                 | 1.301          |
| 68                 | 1.309          |
| 69                 | 1.317          |
| 70                 | 1.325          |

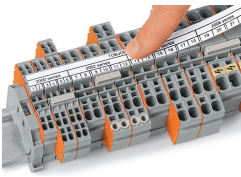
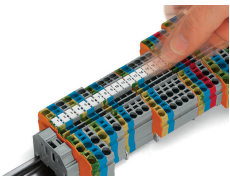
Application Notes on Terminal Blocks for Glass Cartridge Fuses  
Diagram: "Individual Arrangement"

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 WMB Inline markers into marker slots.