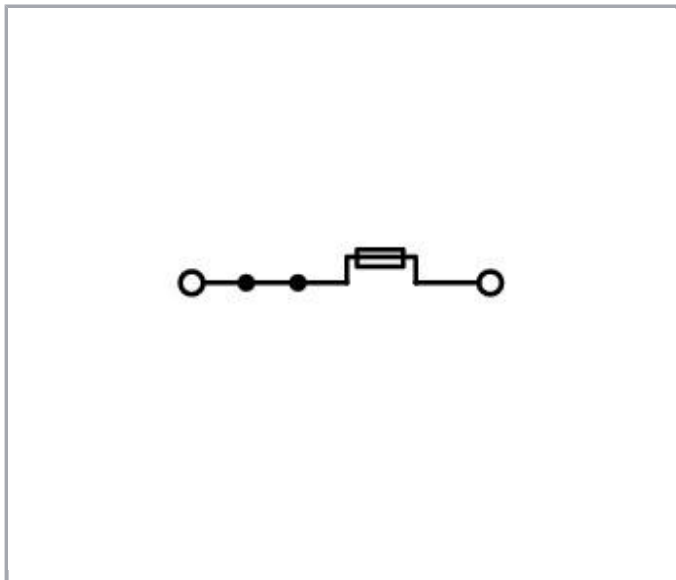
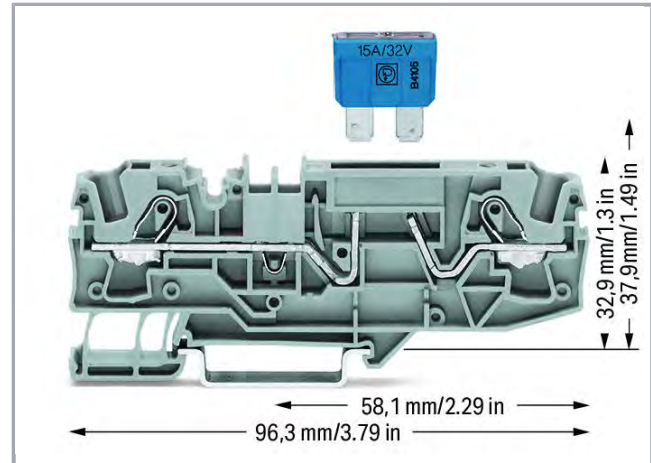
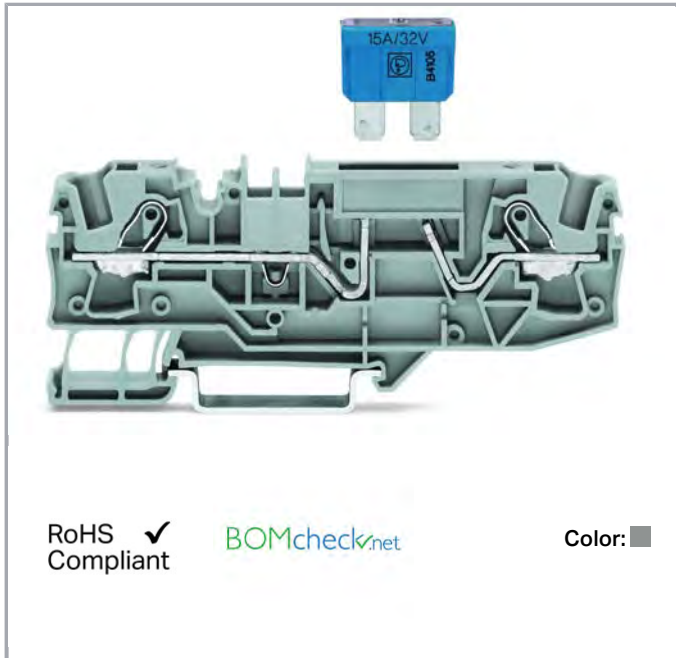


**Data sheet | Item number: 2006-1681**

2-conductor fuse terminal block; for automotive blade-style fuses; with test option; without blown fuse indication; 6 mm<sup>2</sup>; Push-in CAGE CLAMP®; 6,00 mm<sup>2</sup>; gray



**Item description**

**Safety information 1:**

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



Electrical ratings are given by the fuse.

**Safety information 2:**

Blade-style fuses, please note touchproof protection for 42V and higher.

**Data**

**Electrical data**

**Ratings per IEC/EN 60664-1**

| Ratings per                     | IEC/EN 60947-7-3                                                     |
|---------------------------------|----------------------------------------------------------------------|
| Rated voltage (III / 3)         | 500 V                                                                |
| Rated impulse voltage (III / 3) | 8 kV                                                                 |
| Rated current                   | 25 A                                                                 |
| Rated current (2)               | 30 A                                                                 |
| Legend (ratings)                | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

**Approvals per UL 1059**

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 30 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 30 A    |
| Approvals per                  | UL 1059 |

**Approvals per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 30 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 30 A  |

**Connection data**

|                                      |                                           |
|--------------------------------------|-------------------------------------------|
| Connection technology                | Push-in CAGE CLAMP®                       |
| Actuation type                       | Push-in<br>Open Tool Slot                 |
| Connectable conductor materials      | Copper                                    |
| Nominal cross section                | 6 mm <sup>2</sup>                         |
| Solid conductor                      | 0,5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG |
| Solid conductor, push-in termination | 2,5 ... 10 mm <sup>2</sup> / 14 ... 8 AWG |
| Fine-stranded conductor              | 0,5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG |

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



|                                                                 |                                                                                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Fine-stranded conductor with ferrule with plastic collar        | 2,5 ... 6 mm <sup>2</sup> / 16 ... 10 AWG                                                                                         |
| Fine-stranded conductor with ferrule, push-in termination, from | 2,5 ... 6 mm <sup>2</sup> / 16 ... 10 AWG                                                                                         |
| Strip length                                                    | 13 ... 15 mm / 0.51 ... 0.59 inch                                                                                                 |
| Total number of connection points                               | 2                                                                                                                                 |
| Total number of potentials                                      | 2                                                                                                                                 |
| 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                                 | 7,5 mm / 0.295 inch  |
| Height from upper-edge of DIN-35 rail | 32,9 mm / 1.295 inch |
| Depth                                 | 96,3 mm / 3.791 inch |

### Mechanical data

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

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.275 MJ             |
| Weight              | 17.3 g               |

### Commercial data

|                    |               |
|--------------------|---------------|
| Product Group      | 22 (TOPJOB S) |
| Packaging type     | BOX           |
| Country of origin  | CN            |
| GTIN               | 4050821181729 |
| Customs Tariff No. | 85369095990   |

### Approvals / Certificates

#### Country specific Approvals

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

| Logo                                                                             | Approval                               | Additional Approval Text | Certificate name  |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------|-------------------|
|  | <b>CCA</b><br>DEKRA Certification B.V. | IEC 60947                | NTR NL<br>7653/A1 |
|  | <b>CSA</b><br>DEKRA Certification B.V. | C22.2 No. 158            | 1543858           |

#### Ship Approvals

| Logo                                                                                | Approval                                                | Additional Approval Text | Certificate name         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|--------------------------|
|     | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 20-<br>HG1941090-<br>PDA |
|     | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2               |
|  | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112<br>(E9)         |

#### UL-Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

#### Counterpart

#### Compatible products

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

## Carrier rail

|                                                                                    |                                                                                                                                        |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm   |
|    | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                    |
|    | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                     |
|    | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm   |
|    | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                   |
|    | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored |
|   | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                       |
|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored  |
|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715          |
|  | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715        |
|  | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715         |
|  | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715           |

## Protective Warning Marker

|                                                                                    |                                                                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <b>Item no.: 2006-115</b><br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|

## check

|                                                                                    |                                                                                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Item no.: 2009-174</b><br>Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray |
|                                                                                    | <b>Item no.: 2009-182</b>                                                                                                      |

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



Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray



**Item no.: 210-136**

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

#### tools



**Item no.: 210-721**

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft

#### Marking accessories



**Item no.: 2002-121**

Adaptor



**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



**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**

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; 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**  
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.: 2009-191**  
Group marker carrier



**Item no.: 2009-192**  
Group marker carrier



**Item no.: 2009-193**  
Group marker carrier



**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

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

**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

**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

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


**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.: 793-5501/000-017**

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

**ferrule**

**Item no.: 216-208**

Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow


**Item no.: 216-262**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray


**Item no.: 216-263**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

**Item no.: 216-264**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight

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



crimped; acc. to DIN 46228, Part 4/09.90; black



**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / 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 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

**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

**General accessories**



**Item no.: 2006-191**

Lockout cap; for wire insertion and actuating opening; gray

**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



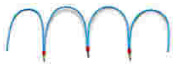
**Item no.: 2006-435**

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

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

## Downloads

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

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## CAD/CAE-Data

### CAD data

2D/3D Models 2006-1681

### CAE data

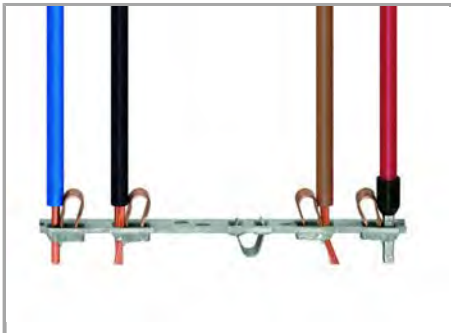
EPLAN Data Portal 2006-1681

WSCAD Universe 2006-1681

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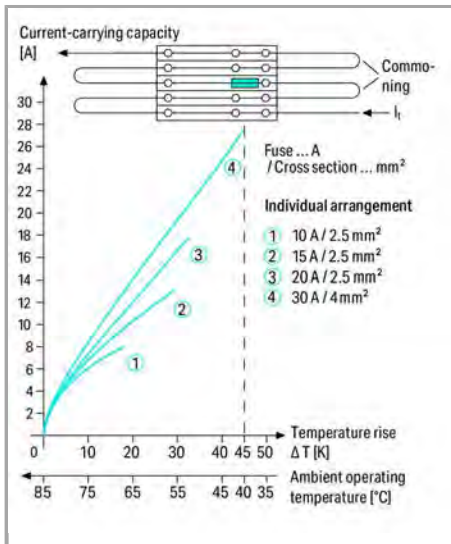
## Installation Notes

### Conductor termination



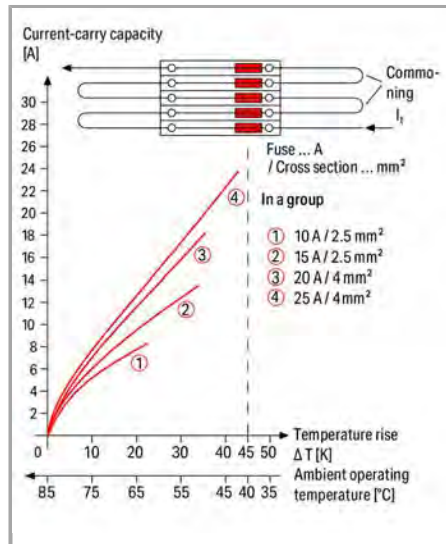
All conductor types at a glance

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



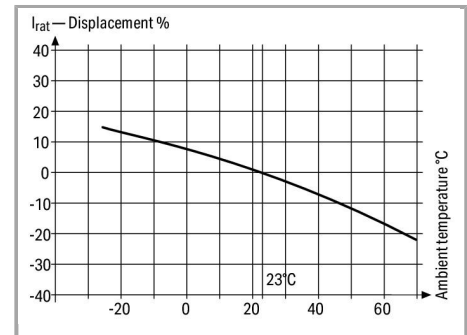
Application Notes on Terminal Blocks for Miniature Metric Fuses

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<br>T <sub>amb</sub> /°C | %   | F <sub>T</sub> |
|----------------------------------|-----|----------------|
| -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!