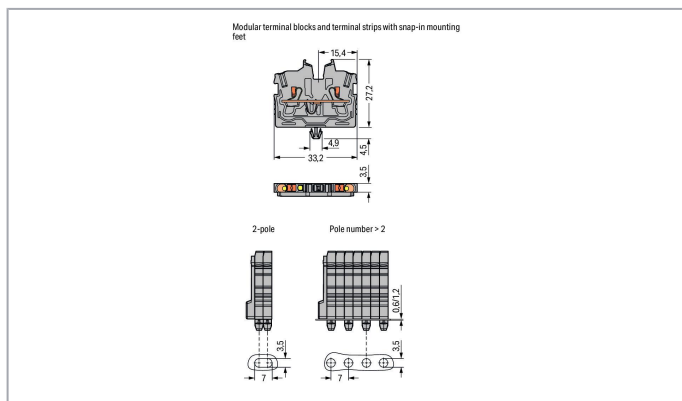
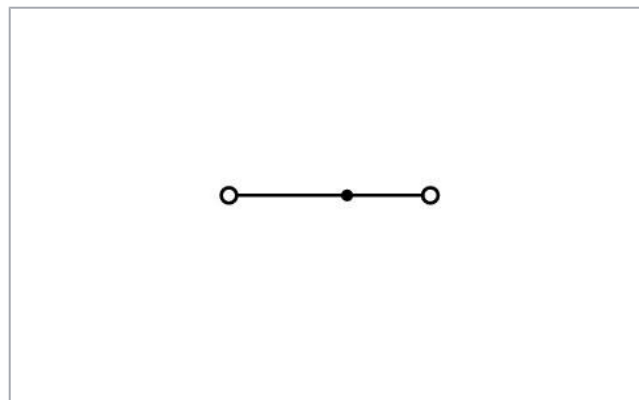
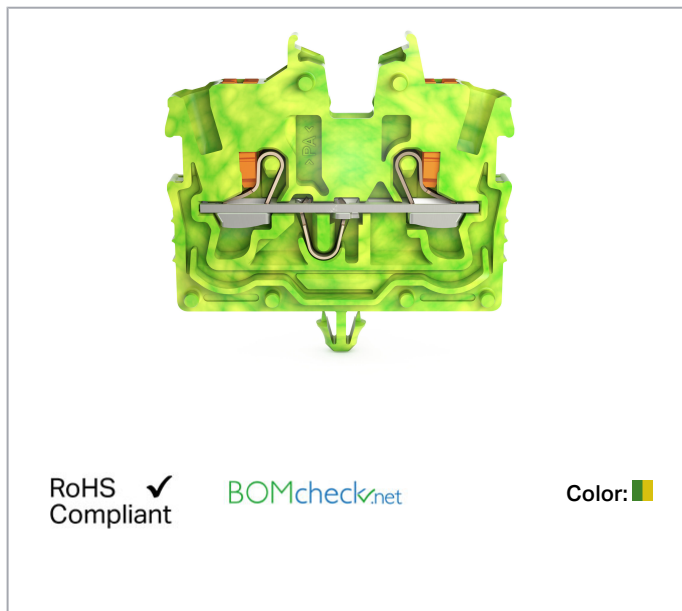


# Data sheet | Item number: 2250-317

2-conductor miniature through terminal block; with push-button; 1 mm<sup>2</sup>; with test port; side and center marking; with snap-in mounting foot; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

[www.wago.com/2250-317](http://www.wago.com/2250-317)



## Data

### Connection data

|                                 |  |
|---------------------------------|--|
| Connection technology           | Push-in CAGE CLAMP®                      |
| Actuation type                  | Push-in<br>Push-button<br>Operating tool |
| Connectable conductor materials | Copper                                   |
| Nominal cross-section           | 1 mm <sup>2</sup>                        |

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

WAGO Kontakttechnik GmbH & Co. KG  
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32423 Minden  
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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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|  |   |
|--|---|
| Solid conductor  | 0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG  |
| Solid conductor; push-in termination                       | 0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG   |
| Fine-stranded conductor                                    | 0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG  |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... / 20 ... 18 AWG   |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 0.75 mm <sup>2</sup> / 20 ... 18 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   | 9 ... 11 mm / 0.35 ... 0.43 inch  |
| Total number of connection points                          | 2   |
| Total number of potentials                                 | 1   |
| Number of levels   | 1   |
| Wiring type  | Front-entry wiring  |
| Number of jumper slots                                     | 1   |

### Physical data

|                         |                      |
|-------------------------|----------------------|
| Width                   | 3.5 mm / 0.138 inch  |
| Height from the surface | 27.2 mm / 1.071 inch |
| Depth                   | 33.2 mm / 1.307 inch |

### Mechanical data

|               |                     |
|---------------|---------------------|
| Design        | horizontal type     |
| Mounting type | Snap-in foot        |
| Marking level | Center/side marking |

### Material data

|                             |                  |
|-----------------------------|------------------|
| Color                       | green-yellow     |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Weight                      | 2.4 g            |

### Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4055143965644 |
| Customs tariff number | 85369010000   |




### Approvals / Certificates

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




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## Ex-Approvals

| Logo   | Approval                                       | Additional Approval Text | Certificate name  |
|--|--|--------------------------|---|
|  | ATEX<br>Physikalisch Technische Bundesanstalt  | EN IEC 60079-0           | PTB 19 ATEX 1019<br>U (II 2G Ex eb IIC Gb<br>or I M 2 EX eb I Mb) |
|  | CCCEX<br>CQST/CNEx<br>Ex e IIC Gb<br>Ex e I Mb | CNCA-C23-01              | 2020312313000289  |
|  | IECEX<br>Physikalisch Technische Bundesanstalt | IEC 60079                | IECEX PTB 19.0050<br>U (Ex eb IIC Gb or<br>EX eb I Mb)            |

## Country specific Approvals

| Logo   | Approval                              | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|    | CCA<br>DEKRA Certification B.V.       | EN 60998                 | NTR NL<br>7840   |
|  | CSA<br>CSA                            | C22.2 No. 158            | 80034182         |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60998                 | 71-<br>113957    |

## UL-Approvals

| Logo   | Approval                                | Additional Approval Text | Certificate name    |
|--|---|--------------------------|---------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                  | E45172-<br>20200212 |

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

## Counterpart



**Item no.2250-327**

2-conductor miniature through terminal block; with push-button; 1 mm<sup>2</sup>; with test port; side and center marking; Center terminal block without snap-in mounting foot, without mounting flange; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

[www.wago.com/2250-327](http://www.wago.com/2250-327)

## Required accessories

### End plate



**Item no.: 2050-391**

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick; gray

[www.wago.com/2050-391](http://www.wago.com/2050-391)

## Compatible products

### Jumper



**Item no.: 2000-402**

Jumper; 2-way; insulated; light gray

[www.wago.com/2000-402](http://www.wago.com/2000-402)



**Item no.: 2000-402/000-005**

Jumper; 2-way; insulated; red

[www.wago.com/2000-402/000-005](http://www.wago.com/2000-402/000-005)



**Item no.: 2000-402/000-006**

Jumper; 2-way; insulated; blue

[www.wago.com/2000-402/000-006](http://www.wago.com/2000-402/000-006)



**Item no.: 2000-402/000-018**

Jumper; 2-way; insulated; yellow-green

[www.wago.com/2000-402/000-018](http://www.wago.com/2000-402/000-018)



**Item no.: 2000-403**

Jumper; 3-way; insulated; light gray

[www.wago.com/2000-403](http://www.wago.com/2000-403)



**Item no.: 2000-403/000-005**

Jumper; 3-way; insulated; red

[www.wago.com/2000-403/000-005](http://www.wago.com/2000-403/000-005)



**Item no.: 2000-403/000-006**

Jumper; 3-way; insulated; blue

[www.wago.com/2000-403/000-006](http://www.wago.com/2000-403/000-006)



**Item no.: 2000-404**

Jumper; 4-way; insulated; light gray

[www.wago.com/2000-404](http://www.wago.com/2000-404)



**Item no.: 2000-404/000-005**

Jumper; 4-way; insulated; red

[www.wago.com/2000-404/000-005](http://www.wago.com/2000-404/000-005)

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

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**Item no.: 2000-404/000-006**  
Jumper; 4-way; insulated; blue

[www.wago.com/2000-404/000-006](http://www.wago.com/2000-404/000-006)



**Item no.: 2000-405**  
Jumper; 5-way; insulated; light gray

[www.wago.com/2000-405](http://www.wago.com/2000-405)



**Item no.: 2000-405/000-005**  
Jumper; 5-way; insulated; red

[www.wago.com/2000-405/000-005](http://www.wago.com/2000-405/000-005)



**Item no.: 2000-405/000-006**  
Jumper; 5-way; insulated; blue

[www.wago.com/2000-405/000-006](http://www.wago.com/2000-405/000-006)



**Item no.: 2000-405/011-000**  
Star point jumper; 3-way; insulated; light gray

[www.wago.com/2000-405/011-000](http://www.wago.com/2000-405/011-000)



**Item no.: 2000-406**  
Jumper; 6-way; insulated; light gray

[www.wago.com/2000-406](http://www.wago.com/2000-406)



**Item no.: 2000-406/000-005**  
Jumper; 6-way; insulated; red

[www.wago.com/2000-406/000-005](http://www.wago.com/2000-406/000-005)



**Item no.: 2000-406/000-006**  
Jumper; 6-way; insulated; blue

[www.wago.com/2000-406/000-006](http://www.wago.com/2000-406/000-006)



**Item no.: 2000-406/020-000**  
Delta jumper; insulated; light gray

[www.wago.com/2000-406/020-000](http://www.wago.com/2000-406/020-000)



**Item no.: 2000-407**  
Jumper; 7-way; insulated; light gray

[www.wago.com/2000-407](http://www.wago.com/2000-407)



**Item no.: 2000-407/000-005**  
Jumper; 7-way; insulated; red

[www.wago.com/2000-407/000-005](http://www.wago.com/2000-407/000-005)



**Item no.: 2000-407/000-006**  
Jumper; 7-way; insulated; blue

[www.wago.com/2000-407/000-006](http://www.wago.com/2000-407/000-006)



**Item no.: 2000-408**  
Jumper; 8-way; insulated; light gray
















[www.wago.com/2000-408](http://www.wago.com/2000-408)



**Item no.: 2000-408/000-005**  
Jumper; 8-way; insulated; red

[www.wago.com/2000-408/000-005](http://www.wago.com/2000-408/000-005)

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

|  |   |  |
|--|---|--|
|    | <b>Item no.: 2000-408/000-006</b><br>Jumper; 8-way; insulated; blue       | <a href="http://www.wago.com/2000-408/000-006">www.wago.com/2000-408/000-006</a> |
|    | <b>Item no.: 2000-409</b><br>Jumper; 9-way; insulated; light gray         | <a href="http://www.wago.com/2000-409">www.wago.com/2000-409</a>                 |
|    | <b>Item no.: 2000-409/000-005</b><br>Jumper; 9-way; insulated; red        | <a href="http://www.wago.com/2000-409/000-005">www.wago.com/2000-409/000-005</a> |
|    | <b>Item no.: 2000-409/000-006</b><br>Jumper; 9-way; insulated; blue       | <a href="http://www.wago.com/2000-409/000-006">www.wago.com/2000-409/000-006</a> |
|    | <b>Item no.: 2000-410</b><br>Jumper; 10-way; insulated; light gray        | <a href="http://www.wago.com/2000-410">www.wago.com/2000-410</a>                 |
|    | <b>Item no.: 2000-410/000-005</b><br>Jumper; 10-way; insulated; red       | <a href="http://www.wago.com/2000-410/000-005">www.wago.com/2000-410/000-005</a> |
|    | <b>Item no.: 2000-410/000-006</b><br>Jumper; 10-way; insulated; blue      | <a href="http://www.wago.com/2000-410/000-006">www.wago.com/2000-410/000-006</a> |
|   | <b>Item no.: 2000-433</b><br>Jumper; from 1 to 3; insulated; light gray   | <a href="http://www.wago.com/2000-433">www.wago.com/2000-433</a>                 |
|  | <b>Item no.: 2000-433/000-005</b><br>Jumper; from 1 to 3; insulated; red  | <a href="http://www.wago.com/2000-433/000-005">www.wago.com/2000-433/000-005</a> |
|  | <b>Item no.: 2000-433/000-006</b><br>Jumper; from 1 to 3; insulated; blue | <a href="http://www.wago.com/2000-433/000-006">www.wago.com/2000-433/000-006</a> |
|  | <b>Item no.: 2000-434</b><br>Jumper; from 1 to 4; insulated; light gray   | <a href="http://www.wago.com/2000-434">www.wago.com/2000-434</a>                 |
|  | <b>Item no.: 2000-435</b><br>Jumper; from 1 to 5; insulated; light gray   | <a href="http://www.wago.com/2000-435">www.wago.com/2000-435</a>                 |
|  | <b>Item no.: 2000-436</b><br>Jumper; from 1 to 6; insulated; light gray   | <a href="http://www.wago.com/2000-436">www.wago.com/2000-436</a>                 |
|  | <b>Item no.: 2000-437</b><br>Jumper; from 1 to 7; insulated; light gray   | <a href="http://www.wago.com/2000-437">www.wago.com/2000-437</a>                 |
|  | <b>Item no.: 2000-438</b><br>Jumper; from 1 to 8; insulated; light gray   | <a href="http://www.wago.com/2000-438">www.wago.com/2000-438</a>                 |

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



**Item no.: 2000-439**  
Jumper; from 1 to 9; insulated; light gray

[www.wago.com/2000-439](http://www.wago.com/2000-439)



**Item no.: 2000-440**  
Jumper; from 1 to 10; insulated; light gray

[www.wago.com/2000-440](http://www.wago.com/2000-440)

#### Push-In type wire jumper



**Item no.: 2009-402**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray

[www.wago.com/2009-402](http://www.wago.com/2009-402)



**Item no.: 2009-404**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; gray

[www.wago.com/2009-404](http://www.wago.com/2009-404)



**Item no.: 2009-406**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray

[www.wago.com/2009-406](http://www.wago.com/2009-406)

#### assembling



**Item no.: 209-120**  
Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray

[www.wago.com/209-120](http://www.wago.com/209-120)



**Item no.: 209-122**  
Plastic end stop; for WSB markers; for 210-154 aluminum rail; gray

[www.wago.com/209-122](http://www.wago.com/209-122)



**Item no.: 209-137**  
Mounting adapter; can be used as end stop; 6.5 mm wide; gray

[www.wago.com/209-137](http://www.wago.com/209-137)

#### ferrule



**Item no.: 216-241**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**  
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

[www.wago.com/216-242](http://www.wago.com/216-242)



**Item no.: 216-243**  
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

[www.wago.com/216-243](http://www.wago.com/216-243)

#### tools



**Item no.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-647](http://www.wago.com/210-647)



**Item no.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-648](http://www.wago.com/210-648)



**Item no.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)















#### Marking accessories



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

[www.wago.com/2009-110](http://www.wago.com/2009-110)

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

|   |   |  |
|---|---|--|
|    | <b>Item no.: 2009-113</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white                                 | <a href="http://www.wago.com/2009-113">www.wago.com/2009-113</a>                 |
|    | <b>Item no.: 2009-113/000-002</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow                        | <a href="http://www.wago.com/2009-113/000-002">www.wago.com/2009-113/000-002</a> |
|    | <b>Item no.: 2009-113/000-005</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red                           | <a href="http://www.wago.com/2009-113/000-005">www.wago.com/2009-113/000-005</a> |
|    | <b>Item no.: 2009-113/000-006</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue                          | <a href="http://www.wago.com/2009-113/000-006">www.wago.com/2009-113/000-006</a> |
|    | <b>Item no.: 2009-113/000-007</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray                          | <a href="http://www.wago.com/2009-113/000-007">www.wago.com/2009-113/000-007</a> |
|    | <b>Item no.: 2009-113/000-012</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange                        | <a href="http://www.wago.com/2009-113/000-012">www.wago.com/2009-113/000-012</a> |
|    | <b>Item no.: 2009-113/000-017</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green                   | <a href="http://www.wago.com/2009-113/000-017">www.wago.com/2009-113/000-017</a> |
|  | <b>Item no.: 2009-113/000-023</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green                         | <a href="http://www.wago.com/2009-113/000-023">www.wago.com/2009-113/000-023</a> |
|  | <b>Item no.: 2009-113/000-024</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet                        | <a href="http://www.wago.com/2009-113/000-024">www.wago.com/2009-113/000-024</a> |
|   | <b>Item no.: 2009-191</b><br>Group marker carrier   | <a href="http://www.wago.com/2009-191">www.wago.com/2009-191</a>                 |
|   | <b>Item no.: 793-3501</b><br>WMB marking card; as card; plain; snap-on type; white  | <a href="http://www.wago.com/793-3501">www.wago.com/793-3501</a>                 |
| <b>Carrier rail</b>   |   |  |
|   | <b>Item no.: 210-154</b><br>Aluminum carrier rail; 1000 mm long; 18 mm wide; 7 mm high; silver-colored                                      | <a href="http://www.wago.com/210-154">www.wago.com/210-154</a>                   |
| <b>check</b>  |   |  |
|   | <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              | <a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>                 |
|   | <b>Item no.: 2009-182</b><br>Testing tap; for max. 2.5 mm <sup>2</sup> ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray | <a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>                 |
| <b>Item no.: 210-136</b>  |   |  |

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





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

[www.wago.com/210-136](http://www.wago.com/210-136)



Item no.: 210-137

Test plug; 2.3 mm Ø; with 500 mm cable; yellow

[www.wago.com/210-137](http://www.wago.com/210-137)

## Downloads

### Documentation

#### Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 3. 4. 2019 | pdf<br>2.2 MB | Download |
|------------------------|------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                       |     |          |
|-----------------------|-----|----------|
| 2D/3D Models 2250-317 | URL | Download |
|-----------------------|-----|----------|

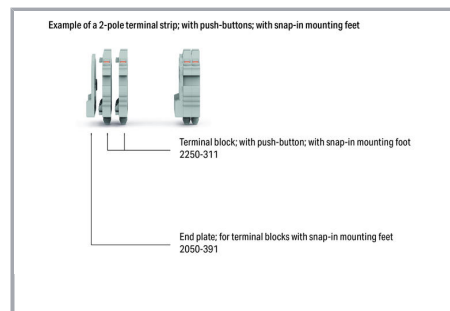
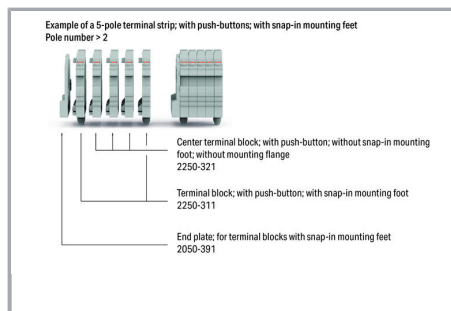
### CAE data

|                       |     |          |
|-----------------------|-----|----------|
| ZUKEN Portal 2250-317 | URL | Download |
|-----------------------|-----|----------|

|                            |     |          |
|----------------------------|-----|----------|
| EPLAN Data Portal 2250-317 | URL | Download |
|----------------------------|-----|----------|

|     |          |
|-----|----------|
| URL | Download |
|-----|----------|

## Installation Notes



### Conductor termination

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

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Do you have any questions about our products?

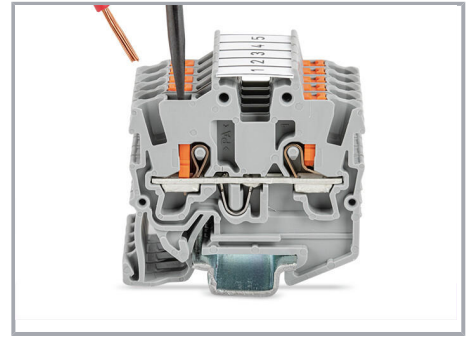
We are always happy to take your call at 01788 568 008.



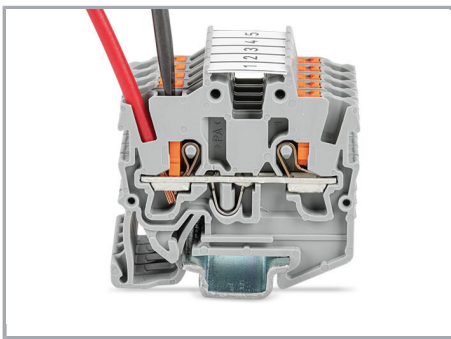
Insert solid conductors via push-in termination.



Insert ferruled conductors via push-in termination.



Insert fine-stranded conductors via operating tool.

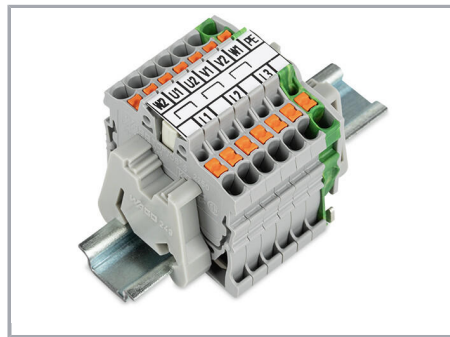


Remove all conductors via operating tool.

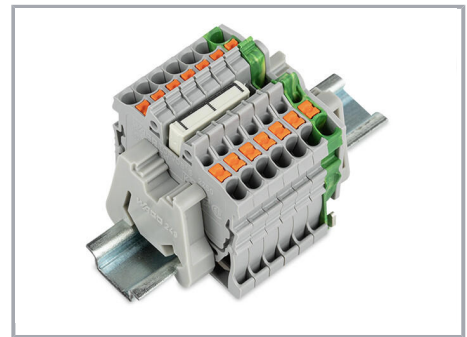
### Commoning



Insert a push-in type jumper bar and push down until it hits the backstop (example shows a 2000-406/020-000 Delta Jumper) (picture shows terminal blocks with push-buttons).

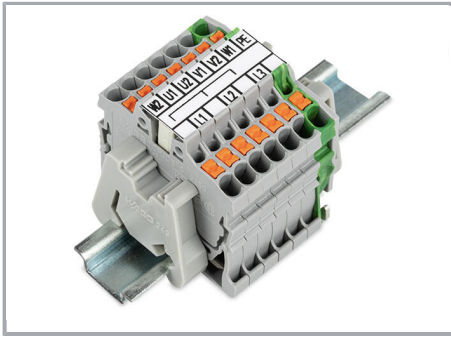


Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-406/020-000 Delta Jumper) (picture shows terminal blocks with push-buttons)



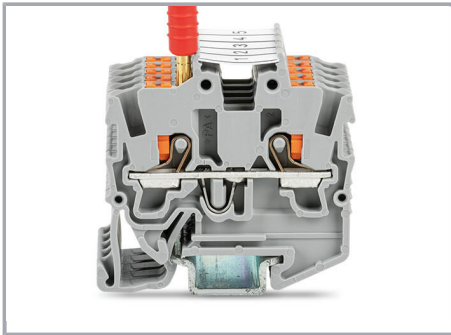
Insert a push-in type jumper bar and push down until it hits the backstop (example shows a 2000-405/011-000 Star Point Jumper) (picture shows terminal blocks with push-buttons).

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



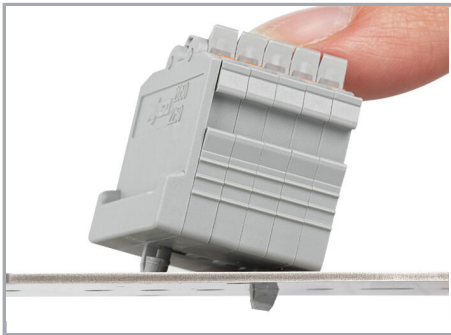
Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-405/011-000 Delta Jumper) (picture shows terminal blocks with push-buttons)

### Testing

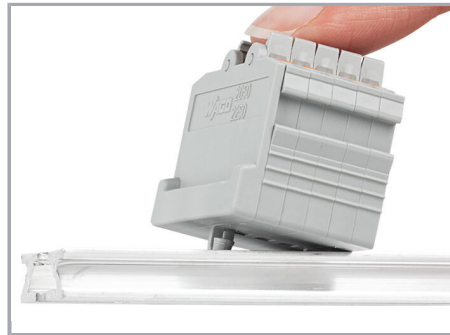


Testing with a 2 mm Ø 210-136 Test Plug (max. 42 V).

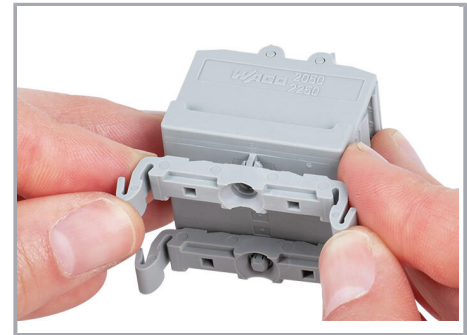
### Installation



Mounting a terminal strip with snap-in feet into holes.

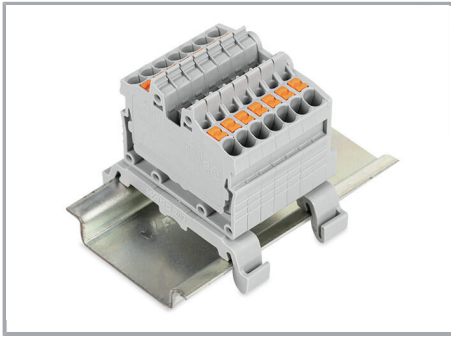


Mounting a terminal strip with snap-in feet onto aluminum rail.



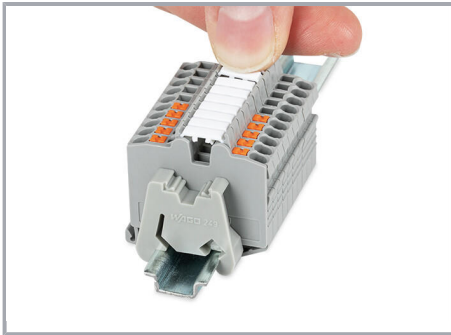
Terminal strip; with snap-in mounting feet  
Snapping a mounting foot (209-120)  
(Distance between mounting feet: approx. 20 ... 25 mm)

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

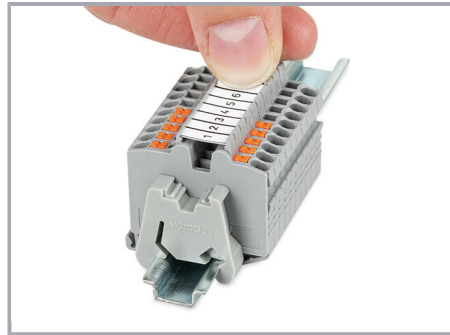


Terminal strip; with snap-in mounting feet; for DIN-35 rail (209-120 Mounting Foot) (picture shows terminal blocks with push-buttons)

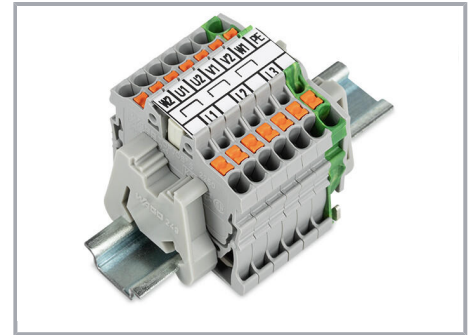
### Marking



Snapping a marking strip (2009-113) into a marker slot.

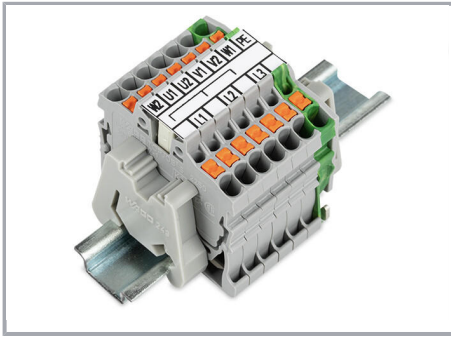


Snapping a marking strip (2009-110) into a marker slot.



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-406/020-000 Delta Jumper) (picture shows terminal blocks with push-buttons)

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



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-405/011-000 Delta Jumper) (picture shows terminal blocks with push-buttons)

## 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.

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