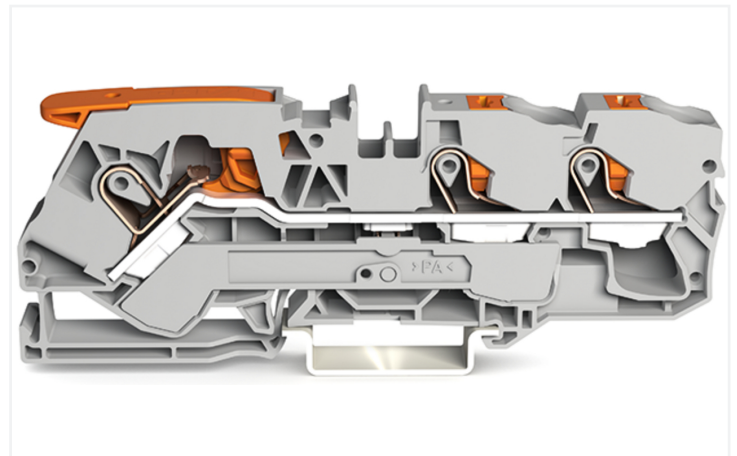
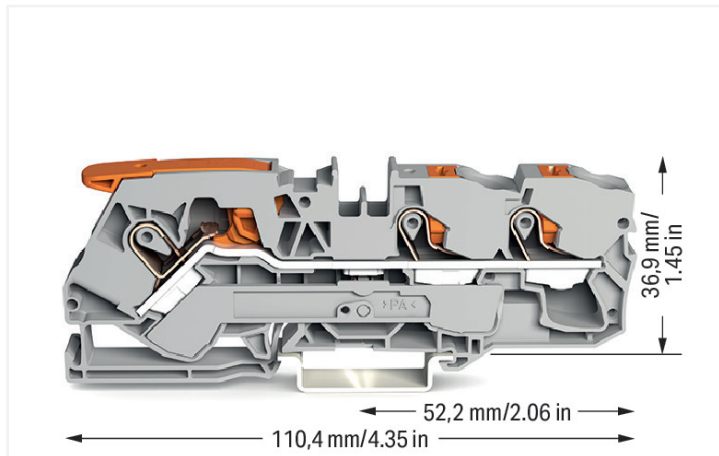


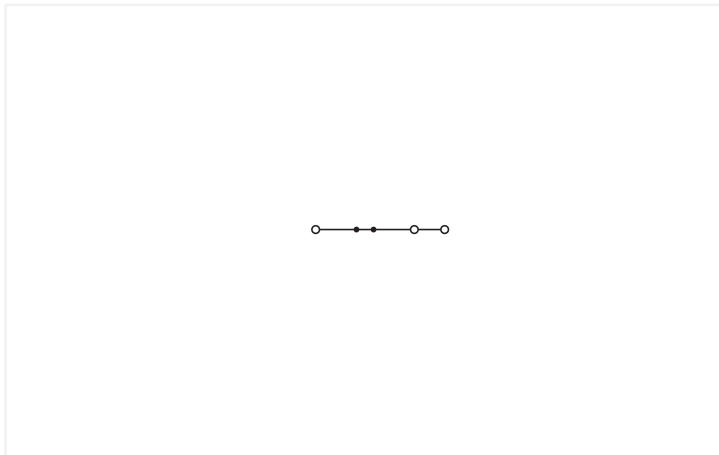
## Data Sheet | Item Number: 2110-5301

3-conductor through terminal block; with lever and push-button; 10 mm<sup>2</sup>; with test port; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 10,00 mm<sup>2</sup>; gray

<https://www.wago.com/2110-5301>



Color: ■ gray



Similar to illustration

### Through terminal block, 2110 Series, Push-button

Our through terminal block (item number 2110-5301) simplifies electrical installations. Conductors should only be connected to this through terminal block if their strip length is between 17 and 19 mm. Whether for use in industry or building installations, our rail-mount through terminal blocks allow you to quickly and securely connect electrical conductors. They're perfect for either classic through-wiring or distributing potential, depending on the variant. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector delivers reliable performance. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. Dimensions: (10 x 110.4 x 43.7) mm (width x height x depth). Depending on the type of conductor, this through terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 16 mm<sup>2</sup>.

This through rail-mount terminal block is operated with lever, push-button. Our TOPJOB® S rail-mount terminal blocks offer more than just secure electrical connections in a range of different industrial applications and modern building installations. They also offer the perfect solution for every use: lever, push-button, or operating slot. This product is designed for specific Ex applications (please refer to the product datasheet).



Electrical data

| Ratings per                                   | IEC/EN 60947-7-1 |     |    |
|-----------------------------------------------|------------------|-----|----|
| Overvoltage category                          | III              | III | II |
| Pollution degree                              | 3                | 2   | 2  |
| Nominal voltage                               | 800 V            | -   | -  |
| Rated impulse withstand voltage               | 8 kV             | -   | -  |
| Rated current                                 | 57 A             | -   | -  |
| Current at conductor cross-section (max.) mm² | 74 A             | -   | -  |

| Approvals per | UL 1059 |       |   |
|---------------|---------|-------|---|
| Use group     | B       | C     | D |
| Rated voltage | 600 V   | 600 V | - |
| Rated current | 65 A    | 65 A  | - |

| Ex information                      |                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------|
| Reference to hazardous areas        | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications" |
| Ratings per                         | ATEX: PTB 19 ATEX 1017 U / IECEx: PTB 19.0047U (Ex eb IIC Gb)                                       |
| Rated voltage EN (Ex e II)          | 550 V                                                                                               |
| Rated current (Ex e II)             | 57 A                                                                                                |
| Rated current (Ex e II) with jumper | 50 A                                                                                                |

| Power Loss                                                   |           |
|--------------------------------------------------------------|-----------|
| Power loss, per pole (potential)                             | 1.8194 W  |
| Rated current I <sub>N</sub> for power loss specification    | 57 A      |
| Resistance value for specified, current-dependent power loss | 0.00056 Ω |

| General information |                    |
|---------------------|--------------------|
| Wiring direction    | Front-entry wiring |

Connection data

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

| Connection 1                                               |                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®                                                                                                                                                                      |
| Actuation type                                             | Lever                                                                                                                                                                                    |
| Connectable conductor materials                            | Copper                                                                                                                                                                                   |
| Nominal cross-section                                      | 10 mm²                                                                                                                                                                                   |
| Solid conductor                                            | 0.5 ... 16 mm² / 20 ... 6 AWG                                                                                                                                                            |
| Solid conductor; push-in termination                       | 4 ... 16 mm² / 14 ... 6 AWG                                                                                                                                                              |
| Fine-stranded conductor                                    | 0.5 ... 16 mm² / 20 ... 6 AWG                                                                                                                                                            |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 10 mm² / 20 ... 8 AWG                                                                                                                                                            |
| Fine-stranded conductor; with ferrule; push-in termination | 4 ... 10 mm² / 12 ... 8 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.<br>AWG specifications were converted according to IEC. |
| Strip length                                               | 17 ... 19 mm / 0.67 ... 0.75 inches                                                                                                                                                      |
| Wiring direction                                           | Front-entry wiring                                                                                                                                                                       |

| Connection 2   |             |
|----------------|-------------|
| Actuation type | Push-button |



| Physical data                     |                         |
|-----------------------------------|-------------------------|
| Width                             | 10 mm / 0.394 inches    |
| Height                            | 110.4 mm / 4.346 inches |
| Depth from upper-edge of DIN-rail | 36.9 mm / 1.453 inches  |
| Depth                             | 43.7 mm / 1.72 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                          | 0.595 MJ                                                                 |
| Actuator color                     | orange                                                                   |
| Weight                             | 32.2 g                                                                   |

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

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 25 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4055143865340 |
| Customs tariff number | 85369010000   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121410             |
| ETIM 9.0               | EC000897             |
| ETIM 10.0              | EC000897             |
| ECCN                   | NO US CLASSIFICATION |

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



Approvals / Certificates

General approvals



| Approval                              | Standard | Certificate Name |
|---------------------------------------|----------|------------------|
| CCA<br>DEKRA Certification B.V.       | EN 60947 | NTR NL-7757      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 71-109053        |
| UL<br>Underwriters Laboratories Inc.  | UL 1059  | E45172           |

Declarations of conformity and manufacturer's declarations

| Approval                                                  | Standard | Certificate Name |
|-----------------------------------------------------------|----------|------------------|
| ATEX-Attestation of Con-<br>formity<br>WAGO GmbH & Co. KG | -        | -                |
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG   | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG   | -        | -                |

Approvals for hazardous areas



| Approval                                          | Standard    | Certificate Name                                                     |
|---------------------------------------------------|-------------|----------------------------------------------------------------------|
| ATEX<br>Physikalisch Technische<br>Bundesanstalt  | EN 60079-0  | PTB 19 ATEX 1017 U (II 2<br>G Ex eb IIC Gb bzw. I M 2<br>Ex eb I Mb) |
| CCC<br>CNEX                                       | GB/T 3836.3 | 2020312313000165 (Ex<br>eb IIC Gb, Ex eb I Mb)                       |
| cURus<br>Underwriters Laboratories<br>Inc.        | UL 60079    | E185892 (AEx eb IIC resp.<br>Ex eb IIC)                              |
| IECEx<br>Physikalisch Technische<br>Bundesanstalt | IEC 60079   | IECEx PTB 19.0047U (Ex<br>eb IIC Gb or Ex eb I Mb)                   |
| INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.       | IEC 60079   | TÜV 20.0893 U                                                        |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance 2110-5301



Documentation

Bid Text

|           |            |                  |  |
|-----------|------------|------------------|--|
| 2110-5301 | 20.05.2019 | docx<br>15.08 KB |  |
| 2110-5301 | 20.05.2019 | xml<br>4.05 KB   |  |



| CAD/CAE-Data                                                           |                                                                             |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>2110-5301</div> <div>↓</div> | <div>CAE data</div> <div>EPLAN Data Portal<br/>2110-5301</div> <div>↓</div> |
|                                                                        | <div>ZUKEN Portal<br/>2110-5301</div> <div>↓</div>                          |

| 1 Compatible Products    |
|--------------------------|
| 1.1 Required Accessories |
| 1.1.1 End plate          |
| 1.1.1.1 End plate        |



Item No.: 2110-1391  
End and intermediate plate; 1 mm thick;  
for 3-conductor terminal blocks; gray



Item No.: 2110-1392  
End and intermediate plate; 1 mm thick;  
for 3-conductor terminal blocks; orange

| 1.2 Optional Accessories |
|--------------------------|
| 1.2.1 Cover              |
| 1.2.1.1 Cover            |



Item No.: 2010-100  
Finger guard; touchproof cover protects  
unused conductor entries; yellow

| 1.2.2 DIN-rail               |
|------------------------------|
| 1.2.2.1 Mounting accessories |



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



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



Item No.: 210-197  
Steel carrier rail; 35 x 15 mm; 1.5 mm  
thick; 2 m long; slotted; similar to EN  
60715; silver-colored



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



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



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



1.2.3 Ferrule

1.2.3.1 Ferrule



**Item No.: 216-284**  
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.: 216-289**  
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-286**  
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.: 216-287**  
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.4 Installation

1.2.4.1 Cover



**Item No.: 709-156**  
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.4.2 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

1.2.5 Jumper

1.2.5.1 Jumper



**Item No.: 2010-402**  
Jumper; 2-way; insulated; light gray



**Item No.: 2010-403**  
Jumper; 3-way; insulated; light gray



**Item No.: 2010-404**  
Jumper; 4-way; insulated; light gray



**Item No.: 2010-405**  
Jumper; 5-way; insulated; light gray



**Item No.: 2010-433**  
Jumper; from 1 to 3; insulated; light gray



**Item No.: 2010-434**  
Jumper; from 1 to 4; insulated; light gray



**Item No.: 2010-435**  
Jumper; from 1 to 5; insulated; light gray



**Item No.: 2010-405/011-000**  
Star point jumper; 3-way; insulated; light gray

## 1.2.6 Marking

## 1.2.6.1 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

## 1.2.6.2 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



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.: 793-5501/000-007

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.: 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.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item No.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 793-501/000-005

WMB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 793-501/000-024

WMB 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.: 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



1.2.6.2 Marker



**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

1.2.6.3 Marker carrier



**Item No.: 2009-198**  
Adaptor; gray

1.2.6.4 Marking strip



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

1.2.7 Screwless end stop

1.2.7.1 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

1.2.8 Test and measurement

1.2.8.1 Testing accessories



**Item No.: 2010-511**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; gray



**Item No.: 2010-549**  
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray



**Item No.: 2009-174**  
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



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



**Item No.: 2009-182**  
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.9 Tool

1.2.9.1 Operating tool



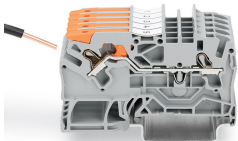
Item No.: 210-721  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

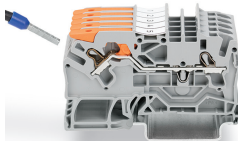
Conductor termination



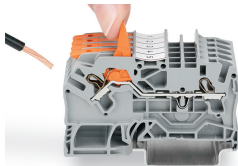
All conductor types at a glance



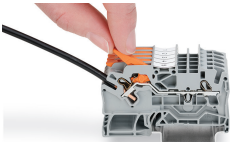
Push-in termination of solid conductors



Push-in termination of fine-stranded conductors with ferrules



Pull the lever up until it stops, then connect the fine-stranded conductor.

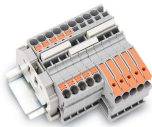


Push the lever back down – done!



Push the lever back down – done!

Commoning

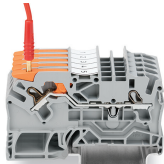


Insert a push-in type jumper bar and push down until it hits the backstop.



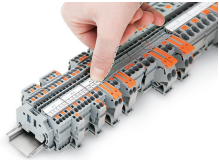
Commoning with step-down jumpers.

Testing

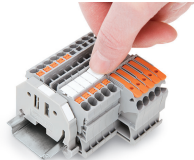


Testing with a 2 mm Ø test plug (max. 42 V).

Marking



Snapping a marking strip into a marker slot.



Snapping a marking strip into the marker slot.