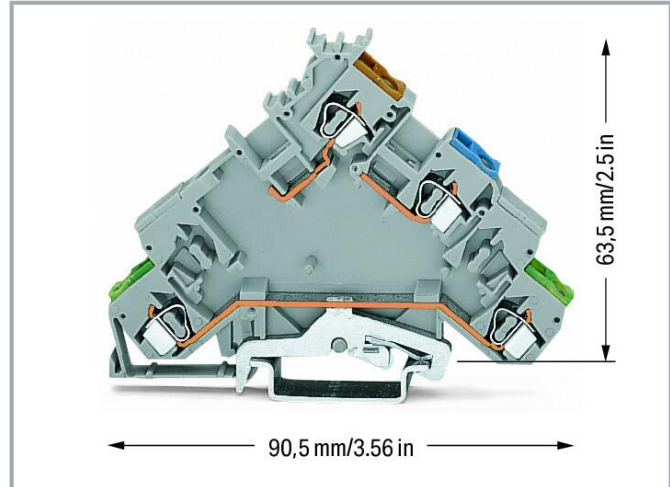
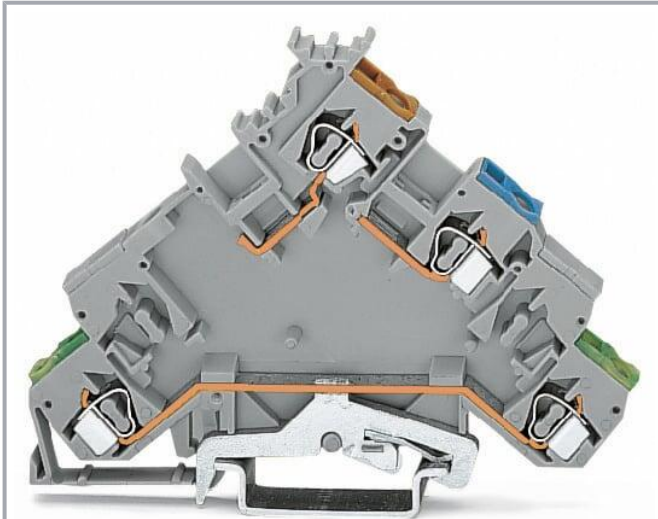


Data sheet | Item number: 280-574

4-conductor sensor supply terminal block; with ground contact; with colored conductor entries; 2.5 mm<sup>2</sup>; CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



[www.wago.com/280-574](http://www.wago.com/280-574)



Color: —



## Data

### Electrical data

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

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## Ratings per IEC/EN

|                               |   |
|-------------------------------|---|
| Nominal voltage (III/3)       | 400 V   |
| Rated impulse voltage (III/3) | 6 kV  |
| Rated current                 | 20 A  |
| Legend (ratings)              | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

## Power loss

|  |                |
|--|----------------|
| Power loss, per pole (potential)                             | 0.532 W        |
| Rated current $I_N$ for specified power loss                 | 20 A           |
| Resistance value for specified, current-dependent power loss | 0.001 $\Omega$ |

## Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 4 |
| Total number of potentials | 3 |
| Number of levels           | 4 |

## Connection 1

|                                 |                    |
|---------------------------------|--------------------|
| Connection technology           | CAGE CLAMP®        |
| Actuation type                  | Operating tool     |
| Connectable conductor materials | Copper<br>Aluminum |

### Connectable conductor materials (note)

#### Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm<sup>2</sup>/12 AWG if WAGO "Alu-Plus" Contact Paste 249-130 is used for termination.

#### "Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

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



Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::

2.5 mm<sup>2</sup> = 16 A

4 mm<sup>2</sup> = 22 A

|                                |  |
|--------------------------------|--|
| Solid conductor                | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor        | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |
| Note (conductor cross-section) | 12 AWG: THHN, THWN                           |
| Strip length                   | 8 ... 9 mm / 0.31 ... 0.35 inches            |
| Wiring direction               | Front-entry wiring                           |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 5 mm / 0.197 inches    |
| Height                            | 90.5 mm / 3.563 inches |
| Depth from upper-edge of DIN-rail | 63.5 mm / 2.5 inches   |

### Mechanical Data

|               |                |
|---------------|----------------|
| Design        | angled         |
| Mounting type | DIN-35 rail    |
| Marking level | Center marking |

### Material Data

Note (material data)

[Information on material specifications can be found here](#)

|                             |                  |
|-----------------------------|------------------|
| Color                       | gray             |
| Material group              | I                |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.319 MJ         |
| Weight                      | 13.5 g           |

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

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## Environmental requirements

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

## Commercial data

|                       |                                  |
|-----------------------|----------------------------------|
| Product Group         | 1 (Rail Mounted Terminal Blocks) |
| eCl@ss 10.0           | 27-14-11-28                      |
| eCl@ss 9.0            | 27-14-11-28                      |
| ETIM 8.0              | EC000900                         |
| ETIM 7.0              | EC000900                         |
| PU (SPU)              | 10 pcs                           |
| Packaging type        | box                              |
| Country of origin     | DE                               |
| GTIN                  | 4045454093884                    |
| Customs tariff number | 85369010000                      |

## Environmental Product Compliance

|   |                                       |
|---|---------------------------------------|
| CAS-No.                                   | 7439-92-1                             |
| REACH Candidate List Substance            | Lead                                  |
| RoHS Compliance Status                    | Compliant,With Exemption              |
| RoHS Exemption                            | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II     |
| SCIP notification number (Austria)        | c4cb6b8e-190b-4ccd-8675-772cb4a7d85a  |
| SCIP notification number (Belgium)        | eaaf1f1cc-96a8-4547-afd2-d6919e9bc672 |
| SCIP notification number (Bulgaria)       | 73ae06ea-2202-4cf3-b88c-b22886f44a20  |
| SCIP notification number (Czech Republic) | 47a53119-b349-4f89-9480-9b2b4213d73b  |
| SCIP notification number (Denmark)        | 596ccf0a-419e-44d4-8b35-db3c85131657  |
| SCIP notification number (Finland)        | beee5c75-6e5b-4bc5-afef-961172f12cf9  |
| SCIP notification number (France)         | 405a2f42-3ee6-4bf5-ae6f-d6a2ee91ca90  |
| SCIP notification number (Germany)        | a6c66719-f5fe-4c2f-849e-eed30d377add  |
| SCIP notification number (Hungary)        | 50fc1f8a-e1ab-4ea1-9290-bb0d771a519a  |
| SCIP notification number (Italy)          | 27c72a02-94b2-498b-8657-3b2fcf657c90  |
| SCIP notification number (Netherlands)    | bfaf9642-e812-45a6-b006-c236c703ad54  |
| SCIP notification number (Poland)         | 94847616-3cae-4960-87f4-567d5883c904  |
| SCIP notification number (Romania)        | 8bda0f7b-238d-41e2-bb7c-a6ada7922cdf  |

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SCIP notification number (Sweden)



af7f7b70-9182-4799-bbb1-170ee1812c98

## Approvals / Certificates



### General approvals

| Logo   | Approval                             | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.      | EN 60947                 | 2160584.53       |
|  | CSA<br>DEKRA Certification B.V.      | C22.2                    | 1536071          |
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

### Declarations of conformity and manufacturer's declarations

| Logo   | Approval   | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

### Approvals for marine applications

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



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

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## Required accessories

### End plate


| End plate  |  |  |
|--|--|--|
|  | <b>Item no.: 280-320</b><br>End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks; gray   | <a href="http://www.wago.com/280-320">www.wago.com/280-320</a> |
|  | <b>Item no.: 280-323</b><br>End and intermediate plate; 1 mm thick; for quadruple-deck terminal blocks; orange | <a href="http://www.wago.com/280-323">www.wago.com/280-323</a> |

## Optional accessories

### Ferrule

| Ferrule   |  |  |
|---|--|--|
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|    | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a> |
|    | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|   | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated                    | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a> |
|  | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red                 | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray             | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black             | <a href="http://www.wago.com/216-204">www.wago.com/216-204</a> |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white             | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow           | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise  | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

## Testing and measuring

| Testing accessories   |  |  |
|---|--|--|
|  | <b>Item no.: 209-170</b><br>Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm <sup>2</sup> - 10 mm <sup>2</sup> tbs; gray | <a href="http://www.wago.com/209-170">www.wago.com/209-170</a> |

## Carrier rail



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

## Mounting accessories












|  |  |  |
|--|--|--|
|    | <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; silver-colored                     | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
|    | <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                | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
|    | <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; silver-colored        | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |
|    | <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; silver-colored      | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a> |
|    | <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; silver-colored       | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a> |
|    | <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; silver-colored         | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
|    | <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; silver-colored                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
|   | <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; silver-colored                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
|  | <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; silver-colored | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
|  | <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; silver-colored                   | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
|  | <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; silver-colored | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
|  | <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               | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |

## Marking accessories

## Marker

|  |  |  |
|--|--|--|
|  | <b>Item no.: 2009-115/000-002</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a> |
|  | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a> |

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

|  |  |  |
|--|--|--|
|   | <b>Item no.: 2009-115/000-017</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green              | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a> |
|   | <b>Item no.: 2009-115/000-023</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green                    | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a> |
|   | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet                   | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a> |
|   | <b>Item no.: 2009-115</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white                            | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                 |
|    | <b>Item no.: 793-5501/000-007</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray        | <a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a> |
|    | <b>Item no.: 793-5501/000-012</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange      | <a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a> |
|   | <b>Item no.: 793-5501/000-017</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a> |
|  | <b>Item no.: 793-5501/000-023</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green       | <a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a> |
|  | <b>Item no.: 793-5501/000-024</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet      | <a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a> |
|  | <b>Item no.: 793-501/000-002</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; yellow  | <a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a>   |
|  | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; gray  | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |

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





**Item no.:** 793-501/000-017

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

[www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)



**Item no.:** 793-501/000-012

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

[www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)



**Item no.:** 793-501/000-023

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

[www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)



**Item no.:** 793-501/000-006

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

[www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)



**Item no.:** 793-501/000-005

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

[www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)



**Item no.:** 793-501

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

[www.wago.com/793-501](http://www.wago.com/793-501)



**Item no.:** 793-501/000-024

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

[www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)



**Item no.:** 793-5501/000-005

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

[www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)



**Item no.:** 793-5501/000-002

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)



**Item no.:** 793-5501/000-006

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)



**Item no.:** 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/793-5501](http://www.wago.com/793-5501)

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|  |  |  |
|--|--|--|
|  | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a> |
|--|--|--|


|  |  |  |
|--|--|--|
|  | <b>Item no.: 2009-115/000-006</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a> |
|--|--|--|

**Insulation stop**

Insulation stop

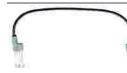
|  |   |  |
|--|---|--|
|  | <b>Item no.: 280-472</b><br>Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip; black | <a href="http://www.wago.com/280-472">www.wago.com/280-472</a> |
|--|---|--|


|  |  |  |
|--|--|--|
|  | <b>Item no.: 280-470</b><br>Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip; white | <a href="http://www.wago.com/280-470">www.wago.com/280-470</a> |
|--|--|--|

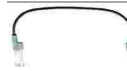
|  |  |  |
|--|--|--|
|  | <b>Item no.: 280-471</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray | <a href="http://www.wago.com/280-471">www.wago.com/280-471</a> |
|--|--|--|

**Push-in type wire jumper**

Jumper

|  |  |  |
|--|--|--|
|  | <b>Item no.: 249-123</b><br>Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 180 mm long; black | <a href="http://www.wago.com/249-123">www.wago.com/249-123</a> |
|--|--|--|


|   |  |  |
|---|--|--|
|  | <b>Item no.: 249-126</b><br>Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 110 mm long; black | <a href="http://www.wago.com/249-126">www.wago.com/249-126</a> |
|---|--|--|

|  |  |  |
|--|--|--|
|  | <b>Item no.: 249-127</b><br>Push-in type wire jumper; 0.75 mm <sup>2</sup> ; insulated; 250 mm long; black | <a href="http://www.wago.com/249-127">www.wago.com/249-127</a> |
|--|--|--|

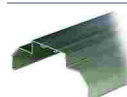
|  |  |  |
|--|--|--|
|  | <b>Item no.: 249-125</b><br>Push-in type wire jumper; insulated; 60 mm long; black | <a href="http://www.wago.com/249-125">www.wago.com/249-125</a> |
|--|--|--|

**Mounting**

Cover carrier

|  |   |  |
|--|---|--|
|  | <b>Item no.: 709-168</b><br>Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOPJOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray | <a href="http://www.wago.com/709-168">www.wago.com/709-168</a> |
|--|---|--|

Cover

|  |  |  |
|--|--|--|
|  | <b>Item no.: 709-154</b><br>Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent | <a href="http://www.wago.com/709-154">www.wago.com/709-154</a> |
|--|--|--|

Mounting accessories

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



**Item no.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

[www.wago.com/249-116](http://www.wago.com/249-116)

**Protective warning marker**

Cover



**Item no.: 280-415**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

[www.wago.com/280-415](http://www.wago.com/280-415)

**Jumpers**

Jumper



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

[www.wago.com/210-123](http://www.wago.com/210-123)



**Item no.: 280-402**  
Jumper; insulated; gray

[www.wago.com/280-402](http://www.wago.com/280-402)



**Item no.: 210-103**  
Wire commoning chain; insulated; black

[www.wago.com/210-103](http://www.wago.com/210-103)



**Item no.: 280-492**  
Jumper; 2-way; insulated; gray

[www.wago.com/280-492](http://www.wago.com/280-492)



**Item no.: 280-482**  
Jumper; 2-way; insulated; gray

[www.wago.com/280-482](http://www.wago.com/280-482)



**Item no.: 280-484**  
Jumper; 4-way; insulated; gray

[www.wago.com/280-484](http://www.wago.com/280-484)



**Item no.: 280-490**  
Jumper; 10-way; insulated; gray

[www.wago.com/280-490](http://www.wago.com/280-490)



**Item no.: 280-485**  
Jumper; 5-way; insulated; gray

[www.wago.com/280-485](http://www.wago.com/280-485)



**Item no.: 280-483**  
Jumper; 3-way; insulated; gray

[www.wago.com/280-483](http://www.wago.com/280-483)



**Item no.: 709-110**  
Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black

[www.wago.com/709-110](http://www.wago.com/709-110)



**Item no.: 709-112**  
Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black

[www.wago.com/709-112](http://www.wago.com/709-112)



**Item no.: 709-111**  
Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black






[www.wago.com/709-111](http://www.wago.com/709-111)



**Item no.: 780-454**  
Staggered jumper; from 1 to 4; insulated; gray




[www.wago.com/780-454](http://www.wago.com/780-454)

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

|  |  |  |
|--|--|--|
|  | <b>Item no.: 780-452</b><br>Staggered jumper; from 1 to 2; insulated; gray | <a href="http://www.wago.com/780-452">www.wago.com/780-452</a> |
|  | <b>Item no.: 780-453</b><br>Staggered jumper; from 1 to 3; insulated; gray | <a href="http://www.wago.com/780-453">www.wago.com/780-453</a> |
|  | <b>Item no.: 780-457</b><br>Staggered jumper; from 1 to 7; insulated; gray | <a href="http://www.wago.com/780-457">www.wago.com/780-457</a> |
|  | <b>Item no.: 780-456</b><br>Staggered jumper; from 1 to 6; insulated; gray | <a href="http://www.wago.com/780-456">www.wago.com/780-456</a> |
|  | <b>Item no.: 780-455</b><br>Staggered jumper; from 1 to 5; insulated; gray | <a href="http://www.wago.com/780-455">www.wago.com/780-455</a> |
|  | <b>Item no.: 780-458</b><br>Staggered jumper; from 1 to 8; insulated; gray | <a href="http://www.wago.com/780-458">www.wago.com/780-458</a> |

### Tool

#### Operating tool

|  |   |  |
|--|---|--|
|    | <b>Item no.: 210-657</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured         | <a href="http://www.wago.com/210-657">www.wago.com/210-657</a> |
|   | <b>Item no.: 210-658</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a> |
|  | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured                | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |

### Downloads

#### Documentation

##### Bid Text

|                        |             |                |          |
|------------------------|-------------|----------------|----------|
| 280-574<br>X81 - Datei | 2019 Feb 19 | xml<br>3.4 kB  | Download |
| 280-574<br>doc - Datei | 2017 Mar 14 | doc<br>25.6 kB | Download |

##### Additional Information

|   |               |          |
|---|---------------|----------|
| Technical Section<br>Technical explanations | pdf<br>2.2 MB | Download |
|---|---------------|----------|

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

## CAD/CAE-Data

### CAE data

|   |                     |                          |
|---|---------------------|--------------------------|
| <a href="#">EPLAN Data Portal 280-574</a> | <a href="#">URL</a> | <a href="#">Download</a> |
| <a href="#">WSCAD Universe 280-574</a>    | <a href="#">URL</a> | <a href="#">Download</a> |

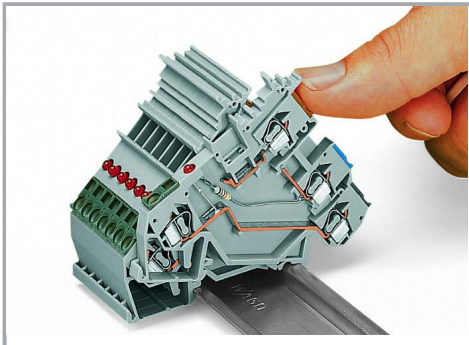
## Environmental Product Compliance

### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| <a href="#">Environmental Product Compliance 280-574</a>  | <a href="#">URL</a> | <a href="#">Download</a> |
| 4-conductor sensor supply terminal block; with ground contact; with colored conductor entries; 2.5 mm <sup>2</sup> ; CAGE CLAMP®; 2,50 mm <sup>2</sup> ; gray |                     |                          |

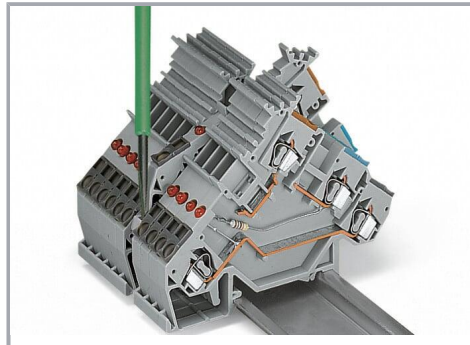
## Installation Notes

### Installation



Snapping a terminal block onto the DIN-rail.

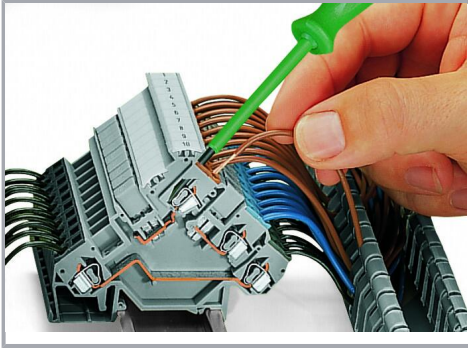
Terminal blocks with a grounding foot automatically establish a direct contact to the rail.



Removing the terminal block from DIN-rail.  
Notice: Remove jumper contacts first!

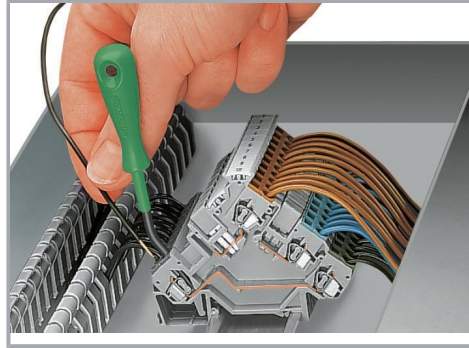
### Conductor termination

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



**CAGE CLAMP® connection**

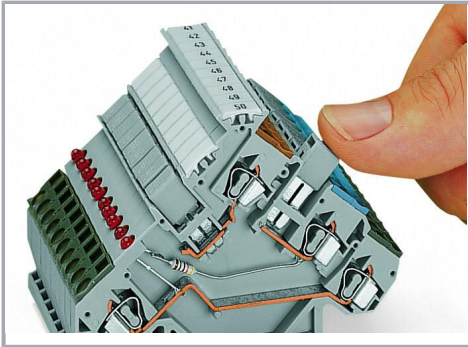
Inserting a conductor via straight operating tool (210-720).



**CAGE CLAMP® connection**

Inserting a conductor via angled operating tool (210-658).

**Commoning**



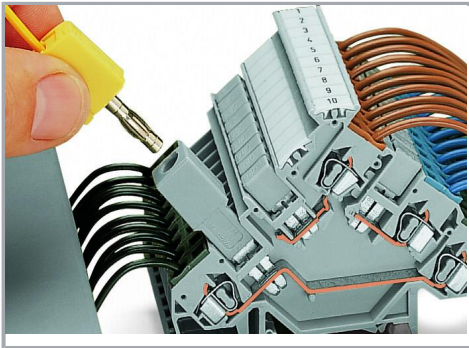
Commoning using an adjacent jumper (280-402).

Push jumper down until fully inserted.

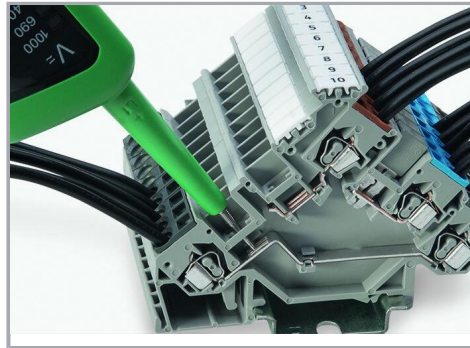
**Testing**

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



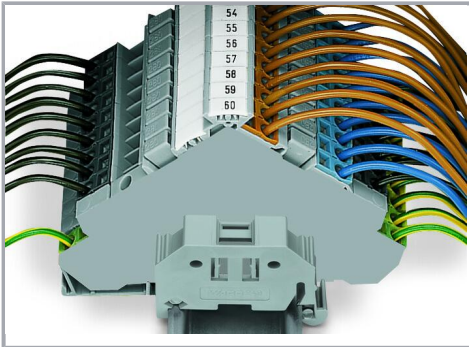


Testing via banana plug and test plug adapter (209-170).



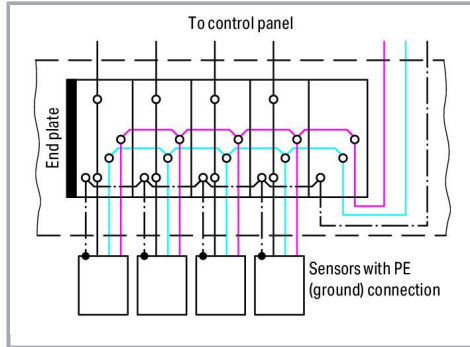
Testing via voltage tester directly on the current bar.

### Application



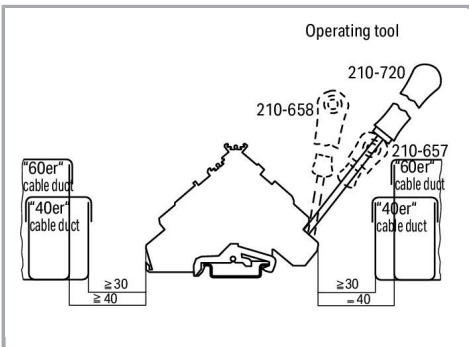
Terminal block assembly:

Sensor terminal blocks



Power supply from sensor side

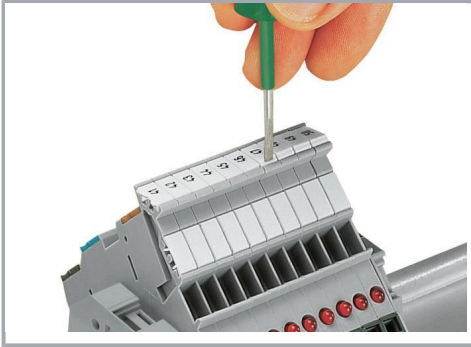
### Installation



Min. mounting distance – terminal blocks to cable duct

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

### Marking



Labeling via WMB Multi Marking System.

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