

**Data sheet | Item number: 279-907**

2-conductor ground terminal block; 1.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm<sup>2</sup>; green-yellow



[www.wago.com/279-907](http://www.wago.com/279-907)



**Color:**

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

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## Data

### Electrical data

### Ratings per IEC/EN

|             |                  |
|-------------|------------------|
| Ratings per | IEC/EN 60947-7-2 |
|-------------|------------------|

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 2 |
| Total number of potentials | 1 |
| Number of levels           | 1 |

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## Connection 1

|                                 |  |
|---------------------------------|--|
| Connection technology           | CAGE CLAMP®                                  |
| Actuation type                  | Operating tool                               |
| Connectable conductor materials | Copper                                       |
| Solid conductor                 | 0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG |
| Fine-stranded conductor         | 0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 inches            |
| Wiring direction                | Front-entry wiring                           |

## Physical data

|                                   |                      |
|-----------------------------------|----------------------|
| Width                             | 4 mm / 0.157 inches  |
| Height                            | 54 mm / 2.126 inches |
| Depth from upper-edge of DIN-rail | 27 mm / 1.063 inches |

## Mechanical Data

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

## Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | green-yellow   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Fire load                   | 0.074 MJ   |
| Weight                      | 7.9 g  |

## Environmental requirements

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

## Commercial data

|             |             |
|-------------|-------------|
| eCl@ss 10.0 | 27-14-11-41 |
|-------------|-------------|

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



|                       |               |
|-----------------------|---------------|
| eCl@ss 9.0            | 27-14-11-41   |
| ETIM 8.0              | EC000901      |
| ETIM 7.0              | EC000901      |
| PU (SPU)              | 100 pcs       |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4045454084479 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo | Approval                                     | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
|      | <b>CCA</b><br>DEKRA Certification B.V.       | EN 60947                 | NTR NL-7081      |
|      | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 60947                 | 2160584.04       |
|      | <b>UL</b><br>Underwriters Laboratories Inc.  | UL 1059                  | E45172           |

### Declarations of conformity and manufacturer's declarations

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

### Approvals for marine applications

| Logo | Approval  | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
|      | <b>BV</b><br>Bureau Veritas S.A.                        | EN 60947                 | 07436/F0 BV      |
|      | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |
|      | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112 (E9)    |

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## Required accessories

### End plate

| End plate                |  |  |
|--------------------------|--|--|
| <b>Item no.: 279-328</b> | End and intermediate plate; 2 mm thick; orange | <a href="http://www.wago.com/279-328">www.wago.com/279-328</a> |
| <b>Item no.: 279-325</b> | End and intermediate plate; 2 mm thick; gray   | <a href="http://www.wago.com/279-325">www.wago.com/279-325</a> |

## Optional accessories

### Tool

| Operating tool           |  |  |
|--------------------------|--|--|
| <b>Item no.: 210-648</b> | Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short | <a href="http://www.wago.com/210-648">www.wago.com/210-648</a> |
| <b>Item no.: 210-647</b> | Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |
| <b>Item no.: 210-719</b> | Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft                | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |

### Ferrule

| Ferrule                  |  |  |
|--------------------------|--|--|
| <b>Item no.: 216-101</b> | 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.: 216-102</b> | 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> | 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> | 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> | 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.: 216-201</b> | 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> | 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> | 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> |

### Insulation stop

| Insulation stop  |  |  |
|--|--|--|
| Subject to changes. Please also observe the further product documentation! |  |  |



|  |  |
|--|--|
| <b>Item no.: 279-470</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/279-470">www.wago.com/279-470</a>                   |
| <b>Item no.: 279-471</b><br>Insulation stop; 0.25 mm <sup>2</sup> ; 5 pieces/strip; dark gray  | <a href="http://www.wago.com/279-471">www.wago.com/279-471</a>                   |
| <b>Marking accessories</b>   |  |
| Double marker carrier  |  |
| <b>Item no.: 209-128</b><br>Adaptor; gray  | <a href="http://www.wago.com/209-128">www.wago.com/209-128</a>                   |
| Marker   |  |
| <b>Item no.: 2009-114/000-002</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-114/000-002">www.wago.com/2009-114/000-002</a> |
| <b>Item no.: 2009-114/000-005</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-114/000-005">www.wago.com/2009-114/000-005</a> |
| <b>Item no.: 2009-114/000-007</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-114/000-007">www.wago.com/2009-114/000-007</a> |
| <b>Item no.: 2009-114/000-023</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/2009-114/000-023">www.wago.com/2009-114/000-023</a> |
| <b>Item no.: 2009-114/000-006</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-114/000-006">www.wago.com/2009-114/000-006</a> |
| <b>Item no.: 2009-114/000-024</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet | <a href="http://www.wago.com/2009-114/000-024">www.wago.com/2009-114/000-024</a> |
| <b>Item no.: 2009-114/000-012</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-114/000-012">www.wago.com/2009-114/000-012</a> |
| <b>Item no.: 2009-114</b><br>WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-114">www.wago.com/2009-114</a>                 |
| <b>Item no.: 793-4501/000-002</b><br>WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow                          | <a href="http://www.wago.com/793-4501/000-002">www.wago.com/793-4501/000-002</a> |
| <b>Item no.: 793-4501/000-006</b><br>WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue                            | <a href="http://www.wago.com/793-4501/000-006">www.wago.com/793-4501/000-006</a> |

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



**Item no.: 793-4501/000-014**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown

[www.wago.com/793-4501/000-014](http://www.wago.com/793-4501/000-014)

**Item no.: 793-4501**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white

[www.wago.com/793-4501](http://www.wago.com/793-4501)

**Item no.: 793-4501/000-023**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green

[www.wago.com/793-4501/000-023](http://www.wago.com/793-4501/000-023)

**Item no.: 793-4501/000-024**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet

[www.wago.com/793-4501/000-024](http://www.wago.com/793-4501/000-024)

**Item no.: 793-4501/000-005**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red

[www.wago.com/793-4501/000-005](http://www.wago.com/793-4501/000-005)

**Item no.: 793-4501/000-007**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray

[www.wago.com/793-4501/000-007](http://www.wago.com/793-4501/000-007)

**Item no.: 793-4501/000-012**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange

[www.wago.com/793-4501/000-012](http://www.wago.com/793-4501/000-012)

**Item no.: 793-4501/000-017**

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green

[www.wago.com/793-4501/000-017](http://www.wago.com/793-4501/000-017)

Group marker carrier

**Item no.: 209-142**

Group marker carrier; gray

[www.wago.com/209-142](http://www.wago.com/209-142)

**Item no.: 209-141**

Group marker carrier; gray

[www.wago.com/209-141](http://www.wago.com/209-141)

**Item no.: 209-140**

Group marker carrier; gray

[www.wago.com/209-140](http://www.wago.com/209-140)

**Item no.: 249-105**

Group marker carrier; gray

[www.wago.com/249-105](http://www.wago.com/249-105)

**Testing and measuring**

Testing accessories

**Item no.: 209-170**

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

[www.wago.com/209-170](http://www.wago.com/209-170)

**Item no.: 280-404**

Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> tbs; gray

[www.wago.com/280-404](http://www.wago.com/280-404)

**Jumpers**

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## Jumper

|   |  |
|---|--|
| <b>Item no.: 279-402</b><br>Jumper; insulated; gray         | <a href="http://www.wago.com/279-402">www.wago.com/279-402</a> |
| <b>Item no.: 279-409</b><br>Jumper; insulated; gray         | <a href="http://www.wago.com/279-409">www.wago.com/279-409</a> |
| <b>Item no.: 279-422</b><br>Jumper; insulated; yellow-green | <a href="http://www.wago.com/279-422">www.wago.com/279-422</a> |
| <b>Item no.: 279-492</b><br>Jumper; 2-way; insulated; gray  | <a href="http://www.wago.com/279-492">www.wago.com/279-492</a> |
| <b>Item no.: 279-490</b><br>Jumper; 10-way; insulated; gray | <a href="http://www.wago.com/279-490">www.wago.com/279-490</a> |
| <b>Item no.: 279-482</b><br>Jumper; 2-way; insulated; gray  | <a href="http://www.wago.com/279-482">www.wago.com/279-482</a> |
| <b>Item no.: 279-483</b><br>Jumper; 3-way; insulated; gray  | <a href="http://www.wago.com/279-483">www.wago.com/279-483</a> |

## Protective warning marker

## Cover

|  |  |
|--|--|
| <b>Item no.: 279-415</b><br>Protective warning marker; 5-pole; with high-voltage symbol, black; yellow | <a href="http://www.wago.com/279-415">www.wago.com/279-415</a> |
|--|--|

## Carrier rail

## 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> |

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





|  |  |
|--|--|
| <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> |

## Mounting

|  |  |
|--|--|
| Cover carrier  |  |
| <b>Item no.: 709-167</b><br>Cover carrier; Type 1; 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 | <a href="http://www.wago.com/709-167">www.wago.com/709-167</a> |
| Cover  |  |
| <b>Item no.: 709-153</b><br>Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent   | <a href="http://www.wago.com/709-153">www.wago.com/709-153</a> |
| Mounting accessories   |  |
| <b>Item no.: 209-106</b><br>Mounting carrier; for isolated mounting on DIN 35 rails; gray  | <a href="http://www.wago.com/209-106">www.wago.com/209-106</a> |
| <b>Item no.: 249-116</b><br>Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray   | <a href="http://www.wago.com/249-116">www.wago.com/249-116</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> |

## Downloads

### Documentation

### Bid Text

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|                        |              |               |          |
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#### Additional Information

|  |  |               |          |
|--|--|---------------|----------|
|  |  | pdf<br>2.2 MB | Download |
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#### CAD/CAE-Data

##### CAD data

|                      |  |     |          |
|----------------------|--|-----|----------|
| 2D/3D Models 279-907 |  | URL | Download |
|----------------------|--|-----|----------|

##### CAE data

|                           |  |     |          |
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|                      |  |     |          |
|----------------------|--|-----|----------|
| ZUKEN Portal 279-907 |  | URL | Download |
|----------------------|--|-----|----------|

#### Environmental Product Compliance

##### Compliance Search

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| Environmental Product Compliance 279-907 |  | URL | Download |
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2-conductor ground terminal block; 1.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm<sup>2</sup>; green-yellow

#### Installation Notes

##### Installation

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

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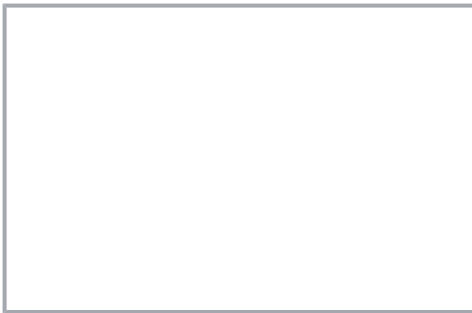
Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.



Snapping a ground conductor block onto the DIN-rail automatically makes a direct electrical connection to the rail.



Quick assembly keys prevent reverse mounting.



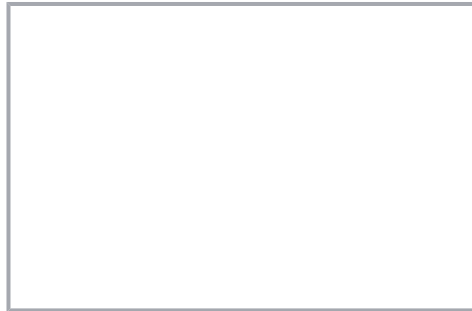
Removing a terminal block from the assembly.

#### Conductor termination



#### CAGE CLAMP® connection

Inserting a conductor.



#### CAGE CLAMP® connection

Inserting a conductor.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

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



**CAGE CLAMP® connection**

Removing a solid conductor.



Inserting insulation stops.

### Commoning



Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.

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



### Push-In Type Wire Jumpers

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touch-proof, push-in type wire jumpers are the ideal solution.

These jumpers are compatible with the following rail-mount terminal blocks:

- 279 Series (1.5 mm<sup>2</sup>/16 AWG),
- 280/775/780 Series (2.5 mm<sup>2</sup>/14 AWG)
- 281/769/776/777/781 and 880 Series (4 mm<sup>2</sup>/12 AWG)

They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

### Marking



Commoning using comb-style jumper bars:  
Push comb-style jumper bars down until fully inserted.

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

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Labeling via WMB Multi Marking System.

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

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