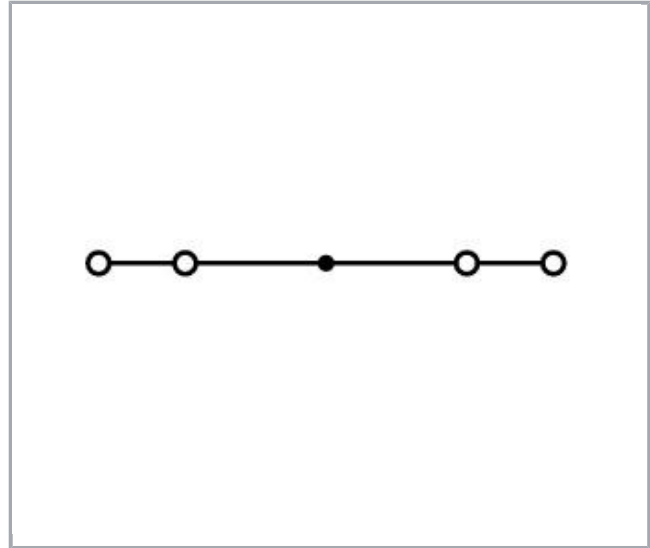
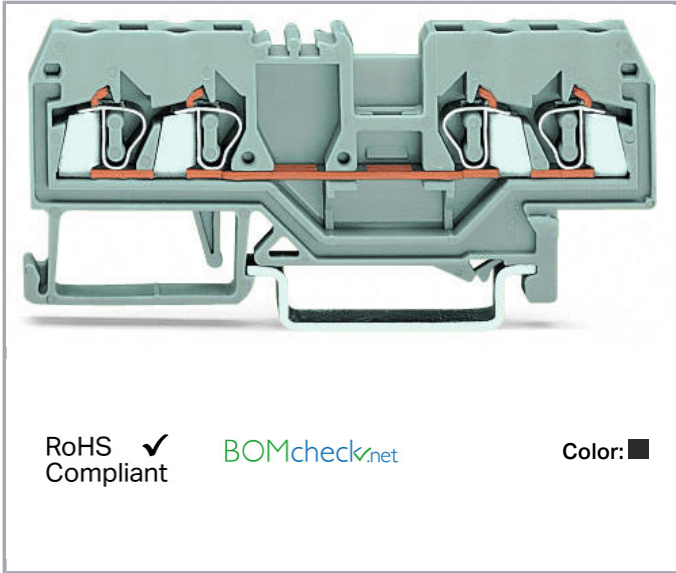


## Data sheet | Item number: 280-831

4-conductor through terminal block; 2.5 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm<sup>2</sup>; black

[www.wago.com/280-831](http://www.wago.com/280-831)



### Item description

#### 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 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.

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

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

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## Data

### Electrical data

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

|                             |                                                           |
|-----------------------------|-----------------------------------------------------------|
| Ratings per                 | IEC/EN 60947-7-1                                          |
| Nominal voltage (III/3)     | 800 V                                                     |
| Rated surge voltage (III/3) | 8 kV                                                      |
| Rated current               | 20 A                                                      |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### Connection data

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Connection technology             | CAGE CLAMP®                                  |
| Actuation type                    | Operating tool                               |
| Connectable conductor materials   | Copper<br>Aluminum                           |
| 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 |
| Strip length                      | 8 ... 9 mm / 0.31 ... 0.35 inch              |
| Total number of connection points | 4                                            |
| Total number of potentials        | 1                                            |
| Number of levels                  | 1                                            |
| Wiring type                       | Front-entry wiring                           |
| Note (conductor cross-section)    | 12 AWG: THHN, THWN                           |

### Geometrical Data

|                                    |                    |
|------------------------------------|--------------------|
| Width                              | 5 mm / 0.197 inch  |
| Height from upper-edge of DIN-rail | 28 mm / 1.102 inch |
| Depth                              | 75 mm / 2.953 inch |

### Mechanical data

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

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

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | black                |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load           | 0.141 MJ             |
| Weight              | 9.2 g                |

## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4044918311229 |
| Customs tariff number | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                               | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------|--------------------------|------------------|
|   | <b>CCA</b><br>DEKRA Certification B.V. | EN 60947                 | 2157201.01       |
|  | <b>CSA</b><br>DEKRA Certification B.V. | C22.2                    | 1536071          |

### Ship Approvals

| Logo                                                                                | Approval                                                | Additional Approval Text | Certificate name |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 20-HG1941090-PDA |
|  | <b>BV</b><br>Bureau Veritas S.A.                        | EN 60947                 | 07436/E0 BV      |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |

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



LR  
Lloyds Register

EN 60947

91/20112  
(E9)

## UL-Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name    |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|---------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1059                  | 20170731-<br>E45172 |

## Counterpart

## Compatible products

### Carrier rail

|                                                                                    |                                                                                                                                      |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | <a href="http://www.wago.com/210-112">www.wago.com/210-112</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                  | <a href="http://www.wago.com/210-113">www.wago.com/210-113</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                   | <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 | <a href="http://www.wago.com/210-115">www.wago.com/210-115</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                 | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |

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

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|                                                                                   |                                                                                                                                        |                                                                |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|   | <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> |
|   | <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                       | <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          | <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        | <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         | <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           | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a> |
| <b>ferrule</b>                                                                    |                                                                                                                                        |                                                                |
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                          | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|   | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                         | <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.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated                          | <a href="http://www.wago.com/216-104">www.wago.com/216-104</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.: 216-202</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.: 216-203</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.: 216-204</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.: 216-301</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; green                    | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

**Protective Warning Marker**

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

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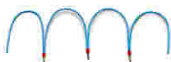
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**Item no.: 280-415**

Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

[www.wago.com/280-415](http://www.wago.com/280-415)**Jumper****Item no.: 210-103**

Wire commoning chain; insulated; black

[www.wago.com/210-103](http://www.wago.com/210-103)**Item no.: 210-123**

Wire commoning chain; insulated; blue

[www.wago.com/210-123](http://www.wago.com/210-123)**Item no.: 280-402**

Adjacent jumper; insulated; IN = IN terminal block; gray

[www.wago.com/280-402](http://www.wago.com/280-402)**Item no.: 280-409**

Alternate jumper; insulated; IN = IN terminal block; gray

[www.wago.com/280-409](http://www.wago.com/280-409)**Item no.: 280-422**

Adjacent jumper; insulated; IN = IN terminal block; yellow-green

[www.wago.com/280-422](http://www.wago.com/280-422)**Item no.: 280-482**

Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray

[www.wago.com/280-482](http://www.wago.com/280-482)**Item no.: 280-483**

Comb-style jumper bar; insulated; 3-way; IN = IN terminal block; gray

[www.wago.com/280-483](http://www.wago.com/280-483)**Item no.: 280-484**

Comb-style jumper bar; insulated; 4-way; IN = IN terminal block; gray

[www.wago.com/280-484](http://www.wago.com/280-484)**Item no.: 280-485**

Comb-style jumper bar; insulated; 5-way; IN = IN terminal block; gray

[www.wago.com/280-485](http://www.wago.com/280-485)**Item no.: 280-490**

Comb-style jumper bar; insulated; 10-way; IN = IN terminal block; gray

[www.wago.com/280-490](http://www.wago.com/280-490)**Item no.: 280-492**

Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray

[www.wago.com/280-492](http://www.wago.com/280-492)**Item no.: 284-414**Step-down jumper; insulated; from 10/6 mm<sup>2</sup> to 4/2.5/1.5 mm<sup>2</sup>; Nominal current 15 A; gray[www.wago.com/284-414](http://www.wago.com/284-414)**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.: 709-111**Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black[www.wago.com/709-111](http://www.wago.com/709-111)**Item no.: 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.: 780-452**

Staggered jumper; insulated; from 1 to 2; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-452](http://www.wago.com/780-452)**Item no.: 780-453**

Staggered jumper; insulated; from 1 to 3; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-453](http://www.wago.com/780-453)

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

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**Item no.: 780-454**

Staggered jumper; insulated; from 1 to 4; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-454](http://www.wago.com/780-454)**Item no.: 780-455**

Staggered jumper; insulated; from 1 to 5; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-455](http://www.wago.com/780-455)**Item no.: 780-456**

Staggered jumper; insulated; from 1 to 6; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-456](http://www.wago.com/780-456)**Item no.: 780-457**

Staggered jumper; insulated; from 1 to 7; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-457](http://www.wago.com/780-457)**Item no.: 780-458**

Staggered jumper; insulated; from 1 to 8; Spacing: 5 mm; suitable for 2-conductor female plugs; gray

[www.wago.com/780-458](http://www.wago.com/780-458)**check****Item no.: 209-170**

Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm² - 10 mm² tbs; gray

[www.wago.com/209-170](http://www.wago.com/209-170)**Item no.: 249-106**

B-type test plug module; modular; 1,50 mm²; gray

[www.wago.com/249-106](http://www.wago.com/249-106)**Item no.: 249-107**

B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/249-107](http://www.wago.com/249-107)**Item no.: 249-141**

L-type test plug module; modular; with spring-loaded contact pin; Center module; 1,50 mm²; gray

[www.wago.com/249-141](http://www.wago.com/249-141)**Item no.: 249-142**

L-type end module; modular; with rigid contact pin; End module; 1,50 mm²; gray

[www.wago.com/249-142](http://www.wago.com/249-142)**Item no.: 249-143**

L-type spacer module; modular; e.g., bridging commoned terminal blocks; gray

[www.wago.com/249-143](http://www.wago.com/249-143)**Item no.: 280-404**

Test plug adapter; 5 mm wide; for test plug 210-137 (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray

[www.wago.com/280-404](http://www.wago.com/280-404)**Item no.: 280-418**

Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

[www.wago.com/280-418](http://www.wago.com/280-418)**Item no.: 280-419**

Spacer module; modular; bridging commoned terminal blocks; gray

[www.wago.com/280-419](http://www.wago.com/280-419)**Item no.: 281-407**

Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm² - 2.5 mm²; 2,50 mm²; gray

[www.wago.com/281-407](http://www.wago.com/281-407)**Insulation stop****Item no.: 280-470**

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

[www.wago.com/280-470](http://www.wago.com/280-470)**Item no.: 280-471**

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

[www.wago.com/280-471](http://www.wago.com/280-471)

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

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**Item no.: 280-472**Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip[www.wago.com/280-472](http://www.wago.com/280-472)**End plate****Item no.: 280-334**

Separator plate; 2 mm thick; oversized; gray

[www.wago.com/280-334](http://www.wago.com/280-334)**Item no.: 280-335**

Separator plate; 2 mm thick; oversized; orange

[www.wago.com/280-335](http://www.wago.com/280-335)**Item no.: 284-336**Step-down cover plate; 1 mm thick; for 4-conductor 279-831, 280-833 and 281-652 terminal blocks; www.wago.com/284-336  
gray**Item no.: 284-346**Step-down cover plate; 1 mm thick; for 4-conductor 279-831, 280-833 and 281-652 terminal blocks; www.wago.com/284-346  
orange**Marking accessories****Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)**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

[www.wago.com/2009-115/000-002](http://www.wago.com/2009-115/000-002)**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

[www.wago.com/2009-115/000-006](http://www.wago.com/2009-115/000-006)**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

[www.wago.com/2009-115/000-007](http://www.wago.com/2009-115/000-007)**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

[www.wago.com/2009-115/000-012](http://www.wago.com/2009-115/000-012)**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

[www.wago.com/2009-115/000-017](http://www.wago.com/2009-115/000-017)**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

[www.wago.com/2009-115/000-023](http://www.wago.com/2009-115/000-023)**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

[www.wago.com/2009-115/000-024](http://www.wago.com/2009-115/000-024)**Item no.: 209-128**

Adaptor; gray

[www.wago.com/209-128](http://www.wago.com/209-128)

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

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**Item no.: 209-140**  
Group marker carrier; gray

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



**Item no.: 209-141**  
Group marker carrier; gray

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



**Item no.: 209-142**  
Group marker carrier; gray

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



**Item no.: 209-185**  
Adaptor; gray

[www.wago.com/209-185](http://www.wago.com/209-185)



**Item no.: 249-105**  
Group marker carrier; gray

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



**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.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

[www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)



**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.: 793-501/000-006**  
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.: 793-501/000-007**  
WMB marking card; as card; not stretchable; plain; snap-on type; gray

[www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)



**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.: 793-501/000-017**  
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.: 793-501/000-023**  
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.: 793-501/000-024**  
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**  
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)

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

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**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.: 793-5501/000-005**

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.: 793-5501/000-006**

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.: 793-5501/000-007**

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

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)**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

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)**Item no.: 793-5501/000-017**

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

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)**Item no.: 793-5501/000-023**

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

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)**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

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)**assembling****Item no.: 209-106**

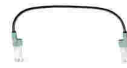
Mounting carrier; for isolated mounting on DIN 35 rails; gray

[www.wago.com/209-106](http://www.wago.com/209-106)**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)**Item no.: 709-153**

Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

[www.wago.com/709-153](http://www.wago.com/709-153)**Push-In type wire jumper****Item no.: 249-123**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 180 mm long; black[www.wago.com/249-123](http://www.wago.com/249-123)**Item no.: 249-125**

Push-in type wire jumper; insulated; 60 mm long; black

[www.wago.com/249-125](http://www.wago.com/249-125)**Item no.: 249-126**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; black[www.wago.com/249-126](http://www.wago.com/249-126)

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

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**Item no.: 249-127**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; black[www.wago.com/249-127](http://www.wago.com/249-127)**Male plug****Item no.: 231-162/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/231-162/003-000](http://www.wago.com/231-162/003-000)**Item no.: 231-163/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/231-163/003-000](http://www.wago.com/231-163/003-000)**Item no.: 231-164/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 4-pole; gray

[www.wago.com/231-164/003-000](http://www.wago.com/231-164/003-000)**Item no.: 231-165/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/231-165/003-000](http://www.wago.com/231-165/003-000)**Item no.: 231-166/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 6-pole; gray

[www.wago.com/231-166/003-000](http://www.wago.com/231-166/003-000)**Item no.: 231-167/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 7-pole; gray

[www.wago.com/231-167/003-000](http://www.wago.com/231-167/003-000)**Item no.: 231-168/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 8-pole; gray

[www.wago.com/231-168/003-000](http://www.wago.com/231-168/003-000)**Item no.: 231-169/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 9-pole; gray

[www.wago.com/231-169/003-000](http://www.wago.com/231-169/003-000)**Item no.: 231-170/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 10-pole; gray

[www.wago.com/231-170/003-000](http://www.wago.com/231-170/003-000)**Item no.: 231-171/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 11-pole; gray

[www.wago.com/231-171/003-000](http://www.wago.com/231-171/003-000)**Item no.: 231-172/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 12-pole; gray

[www.wago.com/231-172/003-000](http://www.wago.com/231-172/003-000)**Item no.: 231-176/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 16-pole; gray

[www.wago.com/231-176/003-000](http://www.wago.com/231-176/003-000)**Item no.: 231-180/003-000**

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Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 20-pole; gray

[www.wago.com/231-180/003-000](http://www.wago.com/231-180/003-000)



**Item no.: 721-162/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/721-162/003-000](http://www.wago.com/721-162/003-000)



**Item no.: 721-163/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/721-163/003-000](http://www.wago.com/721-163/003-000)



**Item no.: 721-164/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/721-164/003-000](http://www.wago.com/721-164/003-000)



**Item no.: 721-165/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/721-165/003-000](http://www.wago.com/721-165/003-000)



**Item no.: 721-166/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/721-166/003-000](http://www.wago.com/721-166/003-000)



**Item no.: 721-167/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/721-167/003-000](http://www.wago.com/721-167/003-000)



**Item no.: 721-168/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/721-168/003-000](http://www.wago.com/721-168/003-000)



**Item no.: 721-169/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/721-169/003-000](http://www.wago.com/721-169/003-000)



**Item no.: 721-170/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/721-170/003-000](http://www.wago.com/721-170/003-000)



**Item no.: 721-171/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray

[www.wago.com/721-171/003-000](http://www.wago.com/721-171/003-000)



**Item no.: 721-172/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/721-172/003-000](http://www.wago.com/721-172/003-000)



**Item no.: 721-173/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray

[www.wago.com/721-173/003-000](http://www.wago.com/721-173/003-000)

**Item no.: 721-174/003-000**

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

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Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/721-174/003-000](http://www.wago.com/721-174/003-000)



**Item no.: 721-175/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole; light gray

[www.wago.com/721-175/003-000](http://www.wago.com/721-175/003-000)



**Item no.: 721-176/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/721-176/003-000](http://www.wago.com/721-176/003-000)



**Item no.: 721-180/003-000**

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/721-180/003-000](http://www.wago.com/721-180/003-000)

**Female plug**



**Item no.: 232-132/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/232-132/005-000](http://www.wago.com/232-132/005-000)



**Item no.: 232-132/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/232-132/005-000/039-000](http://www.wago.com/232-132/005-000/039-000)



**Item no.: 232-133/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/232-133/005-000](http://www.wago.com/232-133/005-000)



**Item no.: 232-133/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/232-133/005-000/039-000](http://www.wago.com/232-133/005-000/039-000)



**Item no.: 232-134/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 4-pole; gray

[www.wago.com/232-134/005-000](http://www.wago.com/232-134/005-000)



**Item no.: 232-134/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 4-pole; gray

[www.wago.com/232-134/005-000/039-000](http://www.wago.com/232-134/005-000/039-000)



**Item no.: 232-135/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/232-135/005-000](http://www.wago.com/232-135/005-000)



**Item no.: 232-135/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/232-135/005-000/039-000](http://www.wago.com/232-135/005-000/039-000)



**Item no.: 232-136/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 6-pole; gray

[www.wago.com/232-136/005-000](http://www.wago.com/232-136/005-000)

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**Item no.: 232-136/005-000/039-000**[www.wago.com/232-136](http://www.wago.com/232-136)

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 6-pole; gray

**Item no.: 232-137/005-000**[www.wago.com/232-137](http://www.wago.com/232-137)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 7-pole; gray

**Item no.: 232-137/005-000/039-000**[www.wago.com/232-137](http://www.wago.com/232-137)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 7-pole; gray

**Item no.: 232-138/005-000**[www.wago.com/232-138](http://www.wago.com/232-138)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 8-pole; gray

**Item no.: 232-138/005-000/039-000**[www.wago.com/232-138](http://www.wago.com/232-138)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 8-pole; gray

**Item no.: 232-139/005-000**[www.wago.com/232-139](http://www.wago.com/232-139)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 9-pole; gray

**Item no.: 232-139/005-000/039-000**[www.wago.com/232-139](http://www.wago.com/232-139)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 9-pole; gray

**Item no.: 232-140/005-000**[www.wago.com/232-140](http://www.wago.com/232-140)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 10-pole; gray

**Item no.: 232-140/005-000/039-000**[www.wago.com/232-140](http://www.wago.com/232-140)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 10-pole; gray

**Item no.: 232-142/005-000**[www.wago.com/232-142](http://www.wago.com/232-142)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 12-pole; gray

**Item no.: 232-142/005-000/039-000**[www.wago.com/232-142](http://www.wago.com/232-142)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 12-pole; gray

**Item no.: 232-146/005-000**[www.wago.com/232-146](http://www.wago.com/232-146)  
/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 16-pole; gray

**Item no.: 232-146/005-000/039-000**[www.wago.com/232-146](http://www.wago.com/232-146)  
/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 16-pole; gray

**Item no.: 232-147/005-000/039-000**

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 17-pole; gray

[www.wago.com/232-147/005-000/039-000](http://www.wago.com/232-147/005-000/039-000)



**Item no.: 232-150/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 20-pole; gray

[www.wago.com/232-150/005-000](http://www.wago.com/232-150/005-000)



**Item no.: 232-150/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 20-pole; gray

[www.wago.com/232-150/005-000/039-000](http://www.wago.com/232-150/005-000/039-000)



**Item no.: 232-232/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/232-232/005-000](http://www.wago.com/232-232/005-000)



**Item no.: 232-232/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/232-232/005-000/039-000](http://www.wago.com/232-232/005-000/039-000)



**Item no.: 232-233/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/232-233/005-000](http://www.wago.com/232-233/005-000)



**Item no.: 232-233/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 3-pole; gray

[www.wago.com/232-233/005-000/039-000](http://www.wago.com/232-233/005-000/039-000)



**Item no.: 232-234/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 4-pole; gray

[www.wago.com/232-234/005-000](http://www.wago.com/232-234/005-000)



**Item no.: 232-234/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 4-pole; gray

[www.wago.com/232-234/005-000/039-000](http://www.wago.com/232-234/005-000/039-000)



**Item no.: 232-235/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/232-235/005-000](http://www.wago.com/232-235/005-000)



**Item no.: 232-235/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 5-pole; gray

[www.wago.com/232-235/005-000/039-000](http://www.wago.com/232-235/005-000/039-000)



**Item no.: 232-236/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 6-pole; gray

[www.wago.com/232-236/005-000](http://www.wago.com/232-236/005-000)



**Item no.: 232-236/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 6-pole; gray

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**Item no.: 232-237/005-000**

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|                                                                                    |                                                                                                                                                                      |                                                                                                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
|    | Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 7-pole; gray                                                             | <a href="http://www.wago.com/232-237/005-000">www.wago.com/232-237/005-000</a>                 |
|    | <b>Item no.: 232-238/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 8-pole; gray                         | <a href="http://www.wago.com/232-238/005-000">www.wago.com/232-238/005-000</a>                 |
|    | <b>Item no.: 232-239/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 9-pole; gray                         | <a href="http://www.wago.com/232-239/005-000">www.wago.com/232-239/005-000</a>                 |
|    | <b>Item no.: 232-240/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 10-pole; gray                        | <a href="http://www.wago.com/232-240/005-000">www.wago.com/232-240/005-000</a>                 |
|    | <b>Item no.: 232-240/005-000/039-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 10-pole; gray | <a href="http://www.wago.com/232-240/005-000/039-000">www.wago.com/232-240/005-000/039-000</a> |
|    | <b>Item no.: 232-242/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 12-pole; gray                        | <a href="http://www.wago.com/232-242/005-000">www.wago.com/232-242/005-000</a>                 |
|    | <b>Item no.: 232-242/005-000/039-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 12-pole; gray | <a href="http://www.wago.com/232-242/005-000/039-000">www.wago.com/232-242/005-000/039-000</a> |
|   | <b>Item no.: 232-246/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 16-pole; gray                        | <a href="http://www.wago.com/232-246/005-000">www.wago.com/232-246/005-000</a>                 |
|  | <b>Item no.: 232-246/005-000/039-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 16-pole; gray | <a href="http://www.wago.com/232-246/005-000/039-000">www.wago.com/232-246/005-000/039-000</a> |
|  | <b>Item no.: 232-250/005-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 20-pole; gray                        | <a href="http://www.wago.com/232-250/005-000">www.wago.com/232-250/005-000</a>                 |
|  | <b>Item no.: 232-250/005-000/039-000</b><br>Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 20-pole; gray | <a href="http://www.wago.com/232-250/005-000/039-000">www.wago.com/232-250/005-000/039-000</a> |
|  | <b>Item no.: 232-732/005-000</b><br>THT female header; 0.6 x 1.0 mm solder pin; gray                                                                                 | <a href="http://www.wago.com/232-732/005-000">www.wago.com/232-732/005-000</a>                 |
|  | <b>Item no.: 232-733/005-000</b><br>THT female header; 0.6 x 1.0 mm solder pin; gray                                                                                 | <a href="http://www.wago.com/232-733/005-000">www.wago.com/232-733/005-000</a>                 |

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

**Item no.: 232-734/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-734/005-000](http://www.wago.com/232-734/005-000)**Item no.: 232-734/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-734/005-000/039-000](http://www.wago.com/232-734/005-000/039-000)**Item no.: 232-735/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-735/005-000](http://www.wago.com/232-735/005-000)**Item no.: 232-735/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-735/005-000/039-000](http://www.wago.com/232-735/005-000/039-000)**Item no.: 232-736/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-736/005-000](http://www.wago.com/232-736/005-000)**Item no.: 232-736/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-736/005-000/039-000](http://www.wago.com/232-736/005-000/039-000)**Item no.: 232-738/005-000**

THT female header; 0.6 x 1.0 mm solder pin; 8-pole; gray

[www.wago.com/232-738/005-000](http://www.wago.com/232-738/005-000)**Item no.: 232-740/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-740/005-000](http://www.wago.com/232-740/005-000)**Item no.: 232-742/005-000**

THT female header; 0.6 x 1.0 mm solder pin; gray

[www.wago.com/232-742/005-000](http://www.wago.com/232-742/005-000)**Item no.: 232-832/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 2-pole; gray

[www.wago.com/232-832/005-000](http://www.wago.com/232-832/005-000)**Item no.: 232-833/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 3-pole; gray

[www.wago.com/232-833/005-000](http://www.wago.com/232-833/005-000)**Item no.: 232-834/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; gray

[www.wago.com/232-834/005-000](http://www.wago.com/232-834/005-000)**Item no.: 232-836/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 6-pole; gray

[www.wago.com/232-836/005-000](http://www.wago.com/232-836/005-000)

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

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**Item no.: 232-836/005-000/039-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Locking lever; Pin spacing 7.5 mm; 6-pole; gray

[www.wago.com/232-836/005-000/039-000](http://www.wago.com/232-836/005-000/039-000)
**Item no.: 232-840/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 10-pole; gray

[www.wago.com/232-840/005-000](http://www.wago.com/232-840/005-000)
**Item no.: 232-842/005-000**

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 12-pole; gray

[www.wago.com/232-842/005-000](http://www.wago.com/232-842/005-000)
**Item no.: 722-132/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/722-132/005-000](http://www.wago.com/722-132/005-000)
**Item no.: 722-132/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/722-132/005-000/039-000](http://www.wago.com/722-132/005-000/039-000)
**Item no.: 722-133/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-133/005-000](http://www.wago.com/722-133/005-000)
**Item no.: 722-133/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-133/005-000/039-000](http://www.wago.com/722-133/005-000/039-000)
**Item no.: 722-134/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-134/005-000](http://www.wago.com/722-134/005-000)
**Item no.: 722-134/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-134/005-000/039-000](http://www.wago.com/722-134/005-000/039-000)
**Item no.: 722-135/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-135/005-000](http://www.wago.com/722-135/005-000)
**Item no.: 722-135/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-135/005-000/039-000](http://www.wago.com/722-135/005-000/039-000)
**Item no.: 722-136/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-136/005-000](http://www.wago.com/722-136/005-000)
**Item no.: 722-136/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-136/005-000/039-000](http://www.wago.com/722-136/005-000/039-000)
**Item no.: 722-137/005-000**

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-137/005-000](http://www.wago.com/722-137/005-000)



**Item no.: 722-137/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-137/005-000/039-000](http://www.wago.com/722-137/005-000/039-000)



**Item no.: 722-138/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-138/005-000](http://www.wago.com/722-138/005-000)



**Item no.: 722-138/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-138/005-000/039-000](http://www.wago.com/722-138/005-000/039-000)



**Item no.: 722-139/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-139/005-000](http://www.wago.com/722-139/005-000)



**Item no.: 722-139/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-139/005-000/039-000](http://www.wago.com/722-139/005-000/039-000)



**Item no.: 722-140/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-140/005-000](http://www.wago.com/722-140/005-000)



**Item no.: 722-140/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-140/005-000/039-000](http://www.wago.com/722-140/005-000/039-000)



**Item no.: 722-141/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray

[www.wago.com/722-141/005-000](http://www.wago.com/722-141/005-000)



**Item no.: 722-142/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/722-142/005-000](http://www.wago.com/722-142/005-000)



**Item no.: 722-142/005-007/039-000**

Female connector for rail-mount terminal blocks; gray

[www.wago.com/722-142/005-007/039-000](http://www.wago.com/722-142/005-007/039-000)



**Item no.: 722-143/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray

[www.wago.com/722-143/005-000](http://www.wago.com/722-143/005-000)



**Item no.: 722-144/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-144/005-000](http://www.wago.com/722-144/005-000)

**Item no.: 722-144/005-000/039-000**

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

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-144/005-000/039-000](http://www.wago.com/722-144/005-000/039-000)



**Item no.: 722-145/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 15-pole; light gray

[www.wago.com/722-145/005-000](http://www.wago.com/722-145/005-000)



**Item no.: 722-146/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-146/005-000](http://www.wago.com/722-146/005-000)



**Item no.: 722-146/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-146/005-000/039-000](http://www.wago.com/722-146/005-000/039-000)



**Item no.: 722-150/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/722-150/005-000](http://www.wago.com/722-150/005-000)



**Item no.: 722-150/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/722-150/005-000/039-000](http://www.wago.com/722-150/005-000/039-000)



**Item no.: 722-232/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/722-232/005-000](http://www.wago.com/722-232/005-000)



**Item no.: 722-232/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 2-pole; light gray

[www.wago.com/722-232/005-000/039-000](http://www.wago.com/722-232/005-000/039-000)



**Item no.: 722-233/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-233/005-000](http://www.wago.com/722-233/005-000)



**Item no.: 722-233/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray

[www.wago.com/722-233/005-000/039-000](http://www.wago.com/722-233/005-000/039-000)



**Item no.: 722-234/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-234/005-000](http://www.wago.com/722-234/005-000)



**Item no.: 722-234/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 4-pole; light gray

[www.wago.com/722-234/005-000/039-000](http://www.wago.com/722-234/005-000/039-000)



**Item no.: 722-235/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-235/005-000](http://www.wago.com/722-235/005-000)

**Item no.: 722-235/005-000/039-000**

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 5-pole; light gray

[www.wago.com/722-235/005-000/039-000](http://www.wago.com/722-235/005-000/039-000)



**Item no.: 722-236/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-236/005-000](http://www.wago.com/722-236/005-000)



**Item no.: 722-236/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 6-pole; light gray

[www.wago.com/722-236/005-000/039-000](http://www.wago.com/722-236/005-000/039-000)



**Item no.: 722-237/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-237/005-000](http://www.wago.com/722-237/005-000)



**Item no.: 722-237/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 7-pole; light gray

[www.wago.com/722-237/005-000/039-000](http://www.wago.com/722-237/005-000/039-000)



**Item no.: 722-238/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 8-pole; light gray

[www.wago.com/722-238/005-000](http://www.wago.com/722-238/005-000)



**Item no.: 722-239/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-239/005-000](http://www.wago.com/722-239/005-000)



**Item no.: 722-239/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 9-pole; light gray

[www.wago.com/722-239/005-000/039-000](http://www.wago.com/722-239/005-000/039-000)



**Item no.: 722-240/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-240/005-000](http://www.wago.com/722-240/005-000)



**Item no.: 722-240/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 10-pole; light gray

[www.wago.com/722-240/005-000/039-000](http://www.wago.com/722-240/005-000/039-000)



**Item no.: 722-241/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 11-pole; light gray

[www.wago.com/722-241/005-000](http://www.wago.com/722-241/005-000)



**Item no.: 722-242/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/722-242/005-000](http://www.wago.com/722-242/005-000)



**Item no.: 722-242/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 12-pole; light gray

[www.wago.com/722-242/005-000/039-000](http://www.wago.com/722-242/005-000/039-000)

**Item no.: 722-243/005-000**

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

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 13-pole; light gray

[www.wago.com/722-243/005-000](http://www.wago.com/722-243/005-000)



**Item no.: 722-244/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-244/005-000](http://www.wago.com/722-244/005-000)



**Item no.: 722-244/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 14-pole; light gray

[www.wago.com/722-244/005-000/039-000](http://www.wago.com/722-244/005-000/039-000)



**Item no.: 722-246/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-246/005-000](http://www.wago.com/722-246/005-000)



**Item no.: 722-246/005-000/039-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray

[www.wago.com/722-246/005-000/039-000](http://www.wago.com/722-246/005-000/039-000)



**Item no.: 722-250/005-000**

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/722-250/005-000](http://www.wago.com/722-250/005-000)

**tools**



**Item no.: 210-657**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short

[www.wago.com/210-657](http://www.wago.com/210-657)



**Item no.: 210-658**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-658](http://www.wago.com/210-658)



**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

[www.wago.com/210-720](http://www.wago.com/210-720)

**Downloads**

**Documentation**

**Bid Text**

|                  |              |         |          |
|------------------|--------------|---------|----------|
| 280-831          | Feb 19, 2019 | xml     | Download |
| GAEB X81 - Datei |              | 3.3 kB  |          |
| 280-831          | Feb 28, 2017 | doc     | Download |
| doc - Datei      |              | 24.6 kB |          |

**CAD/CAE-Data**

**CAD data**

**2D/3D Models 280-831**

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

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## CAE data

EPLAN Data Portal 280-831

URL

Download

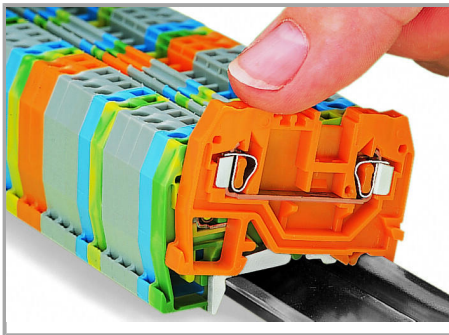
WSCAD Universe 280-831

URL

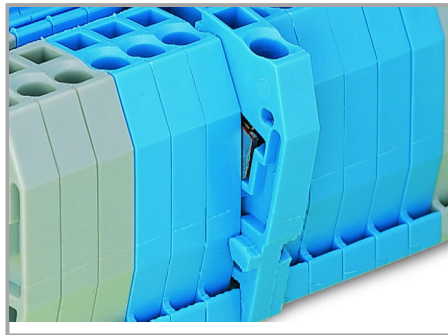
Download

## Installation Notes

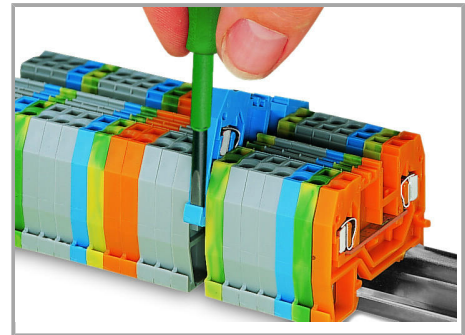
### Assembly



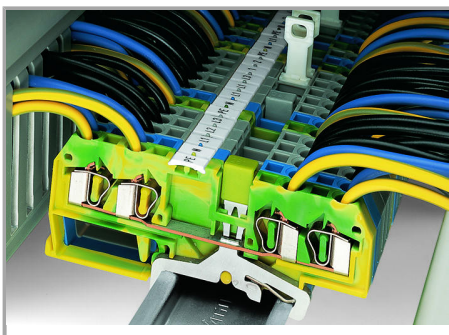
Snapping a terminal block onto the carrier rail.



Quick assembly keys prevent reverse mounting.



Removing a terminal block from the assembly.



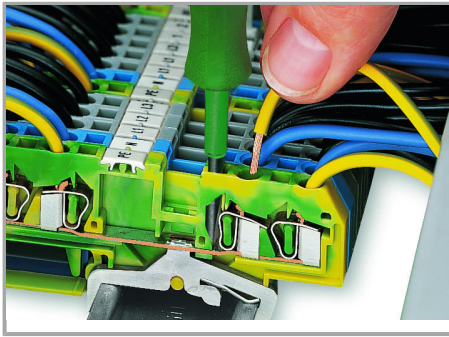
Steel carrier rails are not suited for PEN (ground and N-conductor) applications per EN 60947-7-2 (VDE 0611, Part 3).

### Conductor termination

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

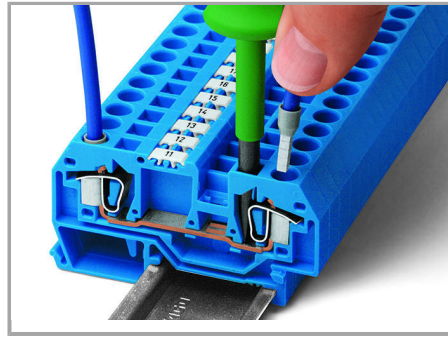
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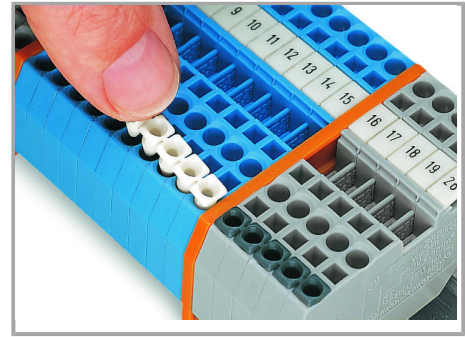
CAGE CLAMP® connection

Inserting a conductor.



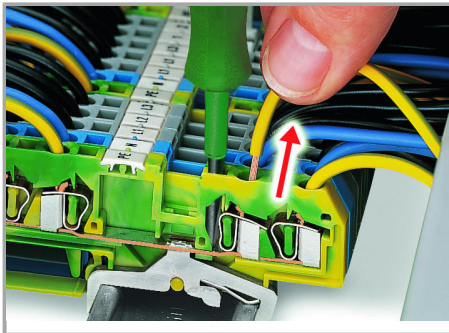
CAGE CLAMP® connection

Inserting a conductor.



Inserting insulation stops.

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

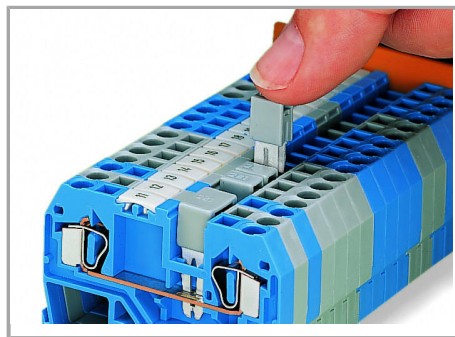


CAGE CLAMP® connection

Removing a conductor.

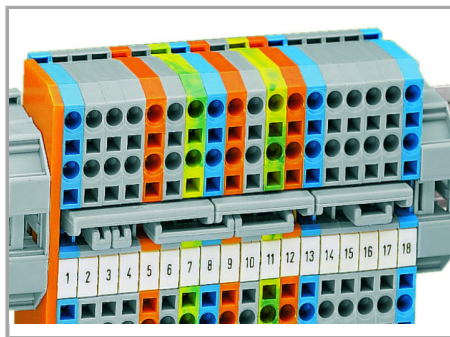
Commoning

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

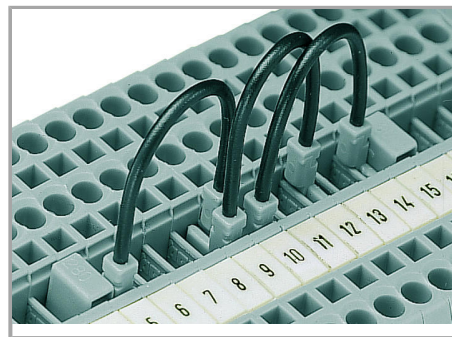


Commoning using an adjacent jumper (280-402).

Push jumper down until fully inserted.



Staggered jumpers for sophisticated circuit requirements – push jumpers down until fully inserted.



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.

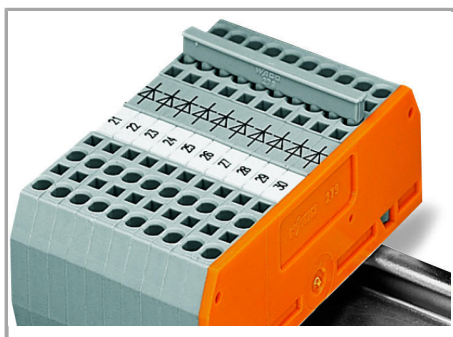
These jumpers are compatible with the following rail-mount terminal blocks:

- 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)
- 

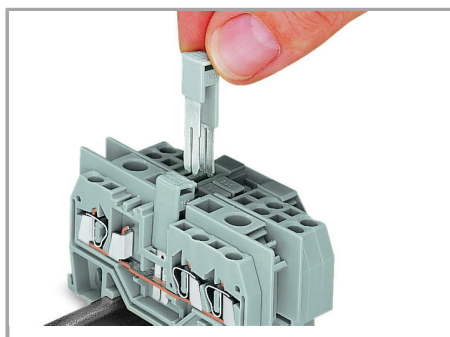
They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

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

Compared with the 279 Series, the 280/775 /780 and 281/776/777/781 Series can also accommodate 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.

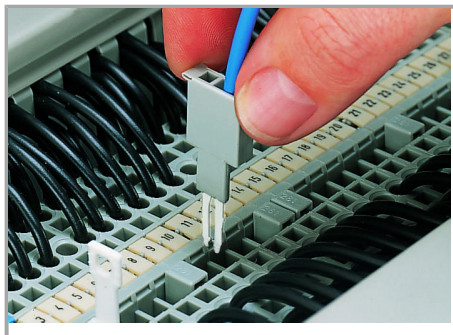


Commoning using comb-style jumper bars. Push comb-style jumper bars down until fully inserted.

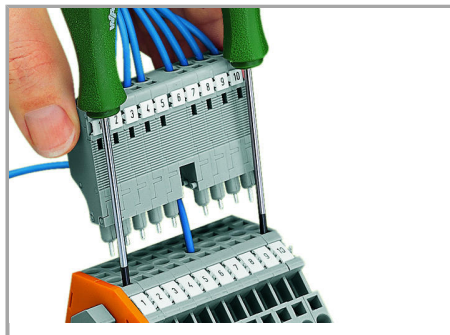


Commoning terminal blocks of different sizes via step-down jumpers.

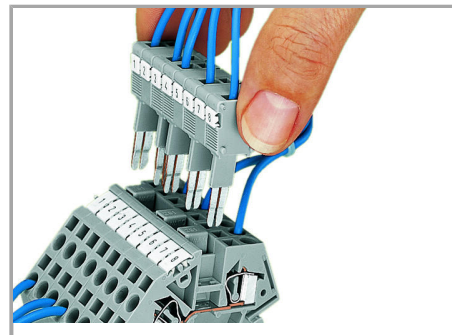
#### Testing



Testing with a test plug



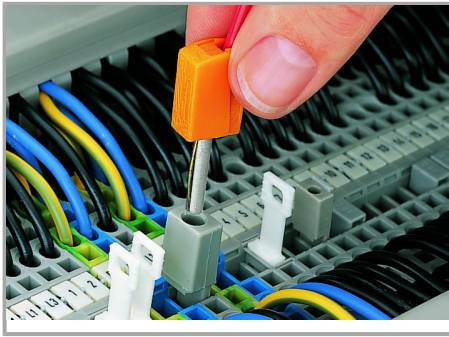
L-type test plug modules fitted with CAGE CLAMP®



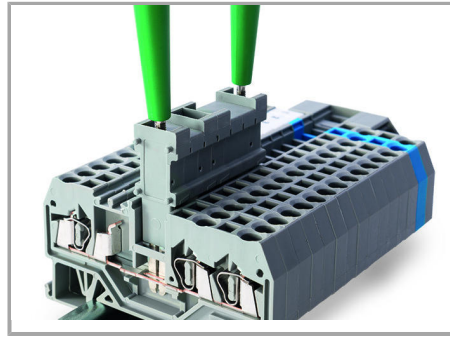
B-type test plug modules fitted with CAGE CLAMP®

(picture shows a test plug fitted with CAGE CLAMP®).

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



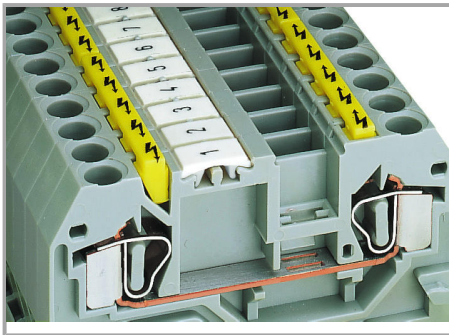
Testing with a test plug



The test plug modules are directly plugged into the jumper contact slot of the current bar.

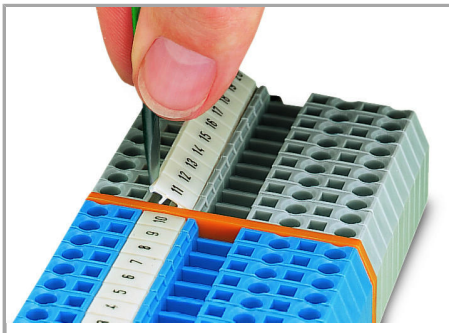
(picture shows 209-170 Test Plug Adapter).

#### Cover



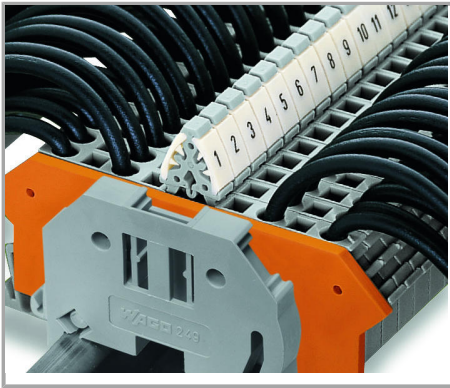
Protective warning markers inserted into the operating slots.

#### Marking



Marking via WMB Multi Marking System.

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



Terminal block marking with double marker carriers (209-128) for terminal blocks with side marking

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

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