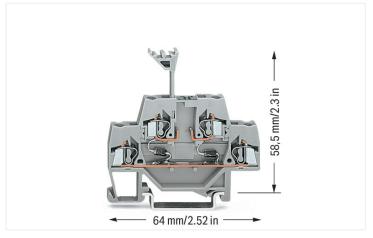
Component terminal block; double-deck; with 2 diodes 1N4007; Bottom anode; for

DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP<sup>®</sup>; 2,50 mm<sup>2</sup>; gray

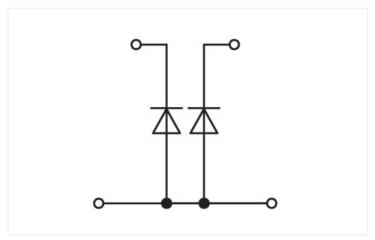
https://www.wago.com/280-942/281-487







Color: ■ gray



280-942/281-487

Double-deck terminal block, 280 Series, operating tool

This double-deck terminal block (item number 280-942/281-487) simplifies electrical installations. The double-deck terminal block also functions as component terminal block with diode. Conductors can only be connected to this double-deck terminal block if their strip length is between 8 mm and 9 mm. This product features conductor terminals and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. This double-deck terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It has two levels. You can connect two potentials using the four clamping points. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails..

| Electrical data      |     |            |     |
|----------------------|-----|------------|-----|
| Ratings per          | IEC | /EN 60947- | 7-1 |
| Overvoltage category | III | III        | II  |
| Pollution degree     | 3   | 2          | 2   |
| Nominal voltage      | -   | -          | -   |
| Rated surge voltage  | -   | -          | -   |
| Rated current        | -   | -          | -   |

| General information |        |  |
|---------------------|--------|--|
| Nominal voltage     | 250 V  |  |
| Reverse voltage     | 1000 V |  |
|                     |        |  |
|                     |        |  |

https://www.wago.com/280-942/281-487



| Connection data            |   |   |
|----------------------------|---|---|
| Clamping units             | 4 | ( |
| Total number of potentials | 2 | C |
| Number of levels           | 2 | A |

| Connection 1                          |  |
|---------------------------------------|--|
| Connection technology                 | CAGE CLAMP®  |
| Actuation type                        | Operating tool   |
| onnectable conductor materials        | Copper<br>Aluminum   |
| onnectable conductor materials (note) | Terminating Aluminum Conductors<br>WAGO Spring-Clamp Terminal Blocks are |

WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste 249-130 is used for termination.

"Alu-Plus" Contact Paste Advantages:

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

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, aluminum conductors must first be cleaned with a blade and then immediately 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 mm² = 16 A 4 mm² = 22 A

 Solid conductor
 0.08 ... 2.5 mm² / 28 ... 14 AWG

 Fine-stranded conductor
 0.08 ... 2.5 mm² / 28 ... 14 AWG

 Strip length
 8 ... 9 mm / 0.31 ... 0.35 inches

Front-entry wiring

 Physical data

 Width
 5 mm / 0.197 inches

 Height
 64 mm / 2.52 inches

 Depth from upper-edge of DIN-rail
 58.5 mm / 2.303 inches

Wiring direction

 Mechanical data

 Design
 horizontal type

 Mounting type
 DIN-35 rail

 Marking level
 Center marking

# Data Sheet | Item Number: 280-942/281-487 https://www.wago.com/280-942/281-487



| Material data                      |  |
|------------------------------------|--|
| Note (material data)               |  |
| Note (material data)               | Information on material specifications can be found here   |
| Color                              | gray   |
| Material group                     | T. Comments of the Comment of the Co |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire load                          | 0.262 MJ   |
| Weight                             | 10.3 q   |

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

| Commercial data       |                                  |
|-----------------------|----------------------------------|
| Product Group         | 1 (Rail Mounted Terminal Blocks) |
| eCl@ss 10.0           | 27-14-11-27                      |
| eCl@ss 9.0            | 27-14-11-27                      |
| ETIM 9.0              | EC000903                         |
| ETIM 8.0              | EC000903                         |
| PU (SPU)              | 50 pcs                           |
| Packaging type        | Box                              |
| Country of origin     | DE                               |
| GTIN                  | 4045454196776                    |
| Customs tariff number | 85369010000                      |

| Environmental Product Compliance          |  |
|---|--|
| CAS-No.                                   | 7439-92-1<br>79-94-7                                     |
| REACH Candidate List Substance            | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol<br>Lead |
| RoHS Compliance Status                    | Compliant,With Exemption                                 |
| RoHS Exemption                            | 7(a)<br>7(c)-I<br>7(c)-II                                |
| SCIP notification number (Austria)        | 2e06afc6-1a5b-41a4-94db-922a13842577                     |
| SCIP notification number (Belgium)        | 034255c6-2d42-46b6-b614-0bbff779bf04                     |
| SCIP notification number (Bulgaria)       | 69e59ed1-ddc0-4c50-88a8-c6df07c58581                     |
| SCIP notification number (Czech Republic) | 814b4ad8-d7db-43ca-a47a-744adc315b5e                     |
| SCIP notification number (Denmark)        | 44def4d3-e563-48cd-9f3e-383a371b09c7                     |
| SCIP notification number (Finland)        | 3acb43bb-7e2d-438b-a3e1-6ca7f5857877                     |
| SCIP notification number (France)         | d94820fb-c591-4073-8e74-035fd02f7533                     |
| SCIP notification number (Germany)        | 127c9f77-eb32-4045-be4d-b9dc98560be2                     |
| SCIP notification number (Hungary)        | 434e8b2c-6c62-4fec-9850-8d1736af406e                     |
| SCIP notification number (Italy)          | 87c1b80a-5c86-4546-b7c2-2cab159db94f                     |
| SCIP notification number (Netherlands)    | 6e02dca6-e256-4b9f-8d2e-18745a8f1518                     |
| SCIP notification number (Poland)         | 591a2d89-aa60-4900-893a-78b6c28795fd                     |
| SCIP notification number (Romania)        | 1ae15365-d091-4d36-bf3c-1214a09289f2                     |
| SCIP notification number (Sweden)         | 2e2f86d4-46e2-435a-b23b-2e9c596728ef                     |

https://www.wago.com/280-942/281-487



#### Approvals / Certificates

#### General approvals



| Approval | Standard | Certificate Name |
|----------|----------|------------------|
| CCA      | EN 60947 | 2157201 01       |

DEKRA Certification B.V.

#### Declarations of conformity and manufacturer's declarations

| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity WAGO GmbH & Co. KG    | -        | -                |

#### Approvals for marine applications





| Approval                                | Standard | Certificate Name |
|---|----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | EN 60947 | 20-HG1941090-PDA |
| LR<br>Lloyds Register                   | EN 60947 | 91/20112 (E9)    |

#### Downloads

#### **Environmental Product Compliance**

Compliance Search
Environmental Product

Compliance 280-942/281-487



| Documentation          |                   |          |                 |
|------------------------|-------------------|----------|-----------------|
| Additional Information |                   |          | Bid Text        |
| Technical Section      | pdf<br>2246.92 KB | <u>↓</u> | 280-942/281-487 |

| Bid Text        |            |                 |          |
|-----------------|------------|-----------------|----------|
| 280-942/281-487 | 19.02.2019 | xml<br>3.23 KB  | <u>↓</u> |
| 280-942/281-487 | 27.04.2017 | doc<br>24.50 KB | <u>↓</u> |

# CAD/CAE-Data CAD data CAE data 2D/3D Models 280-942/281-487 ↓ 280-942/281-487 ↓ WSCAD Universe 280-942/281-487 ↓ ZUKEN Portal 280-942/281-487 ↓



#### 1 Compatible Products

#### 1.1 Required Accessories

#### 1.1.1 End plate

#### 1.1.1.1 End plate



Item No.: 280-340

End and intermediate plate; 2.5 mm thick; grav



Item No.: 280-341

End and intermediate plate; 2.5 mm thick; orange

#### 1.2 Optional Accessories

#### 1.2.1 DIN-rail

#### 1.2.1.1 Mounting accessories





Item No.: 210-198

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



Item No.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm
thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored

#### Item No.: 210-197

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm

thick; 2 m long; unslotted; similar to EN

#### Item No.: 210-506

Item No.: 210-196

60715: silver-colored

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

#### Item No.: 210-114

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

#### Item No.: 210-118

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

#### Item No.: 210-115

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



#### Item No.: 210-112

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

#### Item No.: 210-504

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

#### Item No.: 210-113

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

#### Item No.: 210-505

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

#### 1.2.2 Female connector

#### 1.2.2.1 Female connector/socket



Female connector for rail-mount terminal

ver; Pin spacing 5 mm; 10-pole; light gray

Item No.: 722-240/005-000/039-000

blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking le-

#### 1000

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 mismating; Locking lever; Pin spacing 5 mm; 12-pole; light gray

#### 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 mismating; Locking lever; Pin spacing 5 mm; 14-pole; light gray

# 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 mismating; Locking lever; Pin spacing 5 mm; 16-pole; light gray



#### 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 mismating; Locking lever; Pin spacing 5 mm; 2-pole; light gray



#### 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 mismating; Locking lever; Pin spacing 5 mm; 3-pole; light gray

## 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 mismating; Locking lever; Pin spacing 5 mm; 4-pole; light gray

# Item No.: 722-235/005-000/039-000

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



#### 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 mismating; Locking lever; Pin spacing 5 mm; 6-pole; light gray

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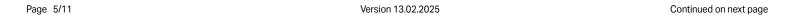
Item No.: 722-237/005-000/039-000
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 7-pole; light gray

#### 8

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 mismating; Locking lever; Pin spacing 5 mm; 9-pole; light gray

#### Item No.: 722-240/005-000

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



#### 1.2.2.1 Female connector/socket



#### Item No.: 722-241/005-000

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



#### Item No.: 722-242/005-000

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



#### Item No.: 722-243/005-000

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



#### Item No.: 722-244/005-000

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



#### Item No.: 722-246/005-000

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



Item No.: 722-250/005-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 20-pole; light gray

## Item No.: 722-232/005-000

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



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



#### Item No.: 722-234/005-000

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



#### Item No.: 722-235/005-000

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



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

#### Item No.: 722-237/005-000

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



#### Item No.: 722-238/005-000

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

#### Item No.: 722-239/005-000

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

#### Item No.: 232-240/005-000/039-000

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

#### Item No.: 232-242/005-000/039-000

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



#### Item No.: 232-246/005-000/039-000

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

## Item No.: 232-250/005-000/039-000

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

#### 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

#### 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



#### 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

## Item No.: 232-236/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking

#### Item No.: 232-240/005-000

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



Female connector for rail-mount terminal

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

Item No.: 232-235/005-000/039-000

lever; Pin spacing 5 mm; 6-pole; gray

#### Item No.: 232-242/005-000

blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 12-pole; gray

#### Item No.: 232-246/005-000

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

#### Item No.: 232-250/005-000

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

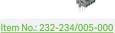
#### Item No.: 232-232/005-000

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



#### 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



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

## 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

#### 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



#### Item No.: 232-237/005-000

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

#### Item No.: 232-238/005-000

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

## Item No.: 232-239/005-000

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

## 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 mismating; Locking lever; Pin spacing 5 mm; 10-pole; light gray



Item No.: 722-132/005-000/039-000

#### Item No.: 722-144/005-000/039-000

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

## 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 mismating; Locking lever; Pin spacing 5 mm; 16-pole; light gray

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

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 mismating; Locking lever; Pin spacing 5 mm; 2-pole; light gray

Page 6/11 Version 13.02.2025 Continued on next page

#### 1.2.2.1 Female connector/socket



#### 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 mismating; Locking lever; Pin spacing 5 mm; 3-pole; light gray



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 mismating; Locking lever; Pin spacing 5 mm; 4-pole; light gray

## 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 mismating; Locking lever; Pin spacing 5 mm; 5-pole; light gray

#### 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 mismating; Locking lever; Pin spacing 5 mm; 6-pole; light gray



#### 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 mismating; Locking lever; Pin spacing 5 mm; 7-pole; light gray

#### 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 mismating; Locking lever; Pin spacing 5 mm; 8-pole; light gray

#### 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 mismating; Locking lever; Pin spacing 5 mm; 9-pole; light gray

#### Item No.: 722-140/005-000

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



#### Item No.: 722-141/005-000

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

#### Item No.: 722-142/005-000

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

#### Item No.: 722-143/005-000

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

#### Item No.: 722-144/005-000

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



#### Item No.: 722-145/005-000

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

#### Item No.: 722-146/005-000

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

#### Item No.: 722-150/005-000

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

#### Item No.: 722-132/005-000

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



#### Item No.: 722-133/005-000

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

#### Item No.: 722-134/005-000

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

#### Item No.: 722-135/005-000

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

#### Item No.: 722-136/005-000

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



#### Item No.: 722-137/005-000

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

## Item No.: 722-138/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing

#### Item No.: 722-139/005-000

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

#### Item No.: 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.: 232-142/005-000/039-000

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

5 mm; 8-pole; light gray

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

#### 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



## 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

## Item No.: 232-134/005-000/039-000

Item No.: 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

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

#### 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

## Item No.: 232-136/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking



Female connector for rail-mount terminal lever; Pin spacing 5 mm; 7-pole; gray

Female connector for rail-mount terminal

#### Item No.: 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

lever; Pin spacing 5 mm; 6-pole; gray



#### Item No.: 232-137/005-000/039-000

blocks; 0.6 x 1 mm pins; straight; Locking

#### Item No.: 232-138/005-000/039-000

blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 8-pole; gray

#### Item No.: 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.: 232-142/005-000

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

#### Item No.: 232-146/005-000

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

#### Item No.: 232-150/005-000

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

## 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

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#### 1.2.2.1 Female connector/socket



#### 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



#### 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



#### 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



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



#### Item No.: 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.: 232-138/005-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 8-pole; grav

## Item No.: 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

#### 1.2.3 Ferrule

#### 1.2.3.1 Ferrule

Item No.: 216-301



# Item No.: 216-302

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white

#### Item No.: 216-101

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored



#### Item No.: 216-202

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; in-

sulated; electro-tin plated; yellow

#### Item No.: 216-102

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-co-

#### Item No.: 216-203

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red

#### Item No.: 216-103

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated



#### Item No.: 216-204

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

#### Item No.: 216-104

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colo-

#### 1.2.4 Installation

#### 1.2.4.1 Cover



#### Item No.: 709-154

Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

#### 1.2.4.2 Cover carrier



#### Item No.: 709-168

Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOP-JOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

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#### 1.2.4.3 Mounting accessories





Item No.: 209-106

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

Item No.: 249-116

Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

#### 1.2.5 Insulation stop

#### 1.2.5.1 Insulation stop





Item No.: 280-470

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm2 "f-st"); 5 pieces/strip; white

Item No.: 280-471

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/ strip; light gray

Item No.: 280-472

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/ strip; black

#### 1.2.6 Jumper

#### 1.2.6.1 Jumper

Item No.: 280-490

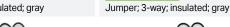


Item No.: 280-482

Jumper; 2-way; insulated; gray

Item No.: 280-492

Jumper; 2-way; insulated; gray





Item No.: 280-483

Item No.: 280-484

Jumper; 4-way; insulated; gray

Jumper; 10-way; insulated; gray

Item No.: 280-485

Jumper; 5-way; insulated; gray

Item No.: 709-110

Wire commoning chain; 2.5 mm2; insulated: black

Item No.: 709-111

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated: black

Item No.: 709-112

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated: black

Item No.: 210-103

Wire commoning chain; insulated; black

Item No.: 210-123

Wire commoning chain; insulated; blue

#### 1.2.7 Male connector

#### 1.2.7.1 Male connector/plug



Male connector for rail-mount terminal

blocks; 1.2 x 1.2 mm pins; straight; Pin

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

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

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



Item No.: 231-162/003-000

Item No.: 231-170/003-000

spacing 5 mm; 10-pole; gray

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

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

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

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



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

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

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

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

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#### 1.2.8 Marking

#### 1.2.8.1 Marker



#### Item No.: 793-5501/000-006

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



#### Item No.: 793-5501/000-012

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



#### Item No.: 793-5501/000-002

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



#### Item No.: 793-501/000-017

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



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



#### Item No.: 2009-115/000-023

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



#### Item No.: 2009-115

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



#### Item No.: 793-5501/000-007

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



#### Item No.: 793-5501/000-005

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



#### Item No.: 793-501/000-006

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



#### Item No.: 793-501/000-012

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



#### Item No.: 793-501/000-002

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



#### Item No.: 2009-115/000-017

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



#### Item No.: 2009-115/000-002

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



#### Item No.: 793-5501/000-023

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



#### Item No.: 793-5501/000-024

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



#### Item No.: 793-501/000-007

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



Item No.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red





#### Item No.: 2009-115/000-006

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



#### Item No.: 2009-115/000-012

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



#### Item No.: 793-5501/000-017

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



#### Item No.: 793-5501

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



#### Item No.: 793-501/000-023

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



Item No.: 793-501/000-024 WMB marking card; as card; not stretcha-



#### Item No.: 2009-115/000-007

ble; plain; snap-on type; violet

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



#### 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

#### 1.2.9 Protective warning marker

#### 1.2.9.1 Cover



#### Item No.: 280-415

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

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#### 1.2.10 Tool

#### 1.2.10.1 Operating tool

Item No.: 210-658 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short;

Item No.: 210-720

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

<u>Item No.: 210-657</u>

Operating tool; Blade:  $3.5 \times 0.5 \text{ mm}$ ; with a partially insulated shaft; short; multicolou-

#### **Installation Notes**



Lamp test circuits can be created using the following terminal blocks: 280-942/281-487 or 280-942/281-488

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

Current addresses can be found at:: www.wago.com

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