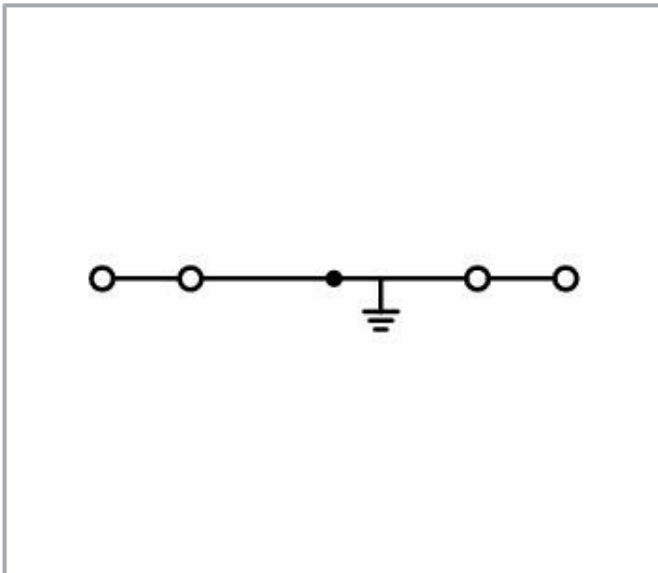
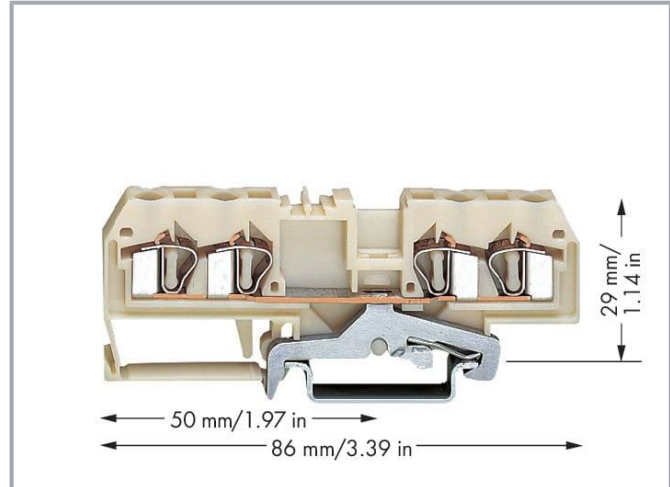


Data sheet | Item number: 281-658

4-conductor shield terminal block; 4 mm²; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm²; white



www.wago.com/281-658



Data

Electrical data

Ratings per IEC/EN

Ratings per

IEC/EN 60947-7-2

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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Connection data

| | |
|----------------------------|---|
| Connection points | 4 |
| Total number of potentials | 1 |
| Number of levels | 1 |

Connection 1

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

| | |
|--|--|
| Connectable conductor materials (note) | <p>Terminating Aluminum Conductors 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.</p> |
|--|--|

"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 mm² = 16 A

4 mm² = 22 A

| | |
|-------------------------|--|
| Solid conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inches |
| Wiring direction | Front-entry wiring |

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

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Physical data

| | |
|-----------------------------------|----------------------|
| Width | 6 mm / 0.236 inches |
| Height | 86 mm / 3.386 inches |
| Depth from upper-edge of DIN-rail | 29 mm / 1.142 inches |

Mechanical Data

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

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | white |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.189 MJ |
| Weight | 16.8 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| eCl@ss 10.0 | 27-14-11-41 |
| eCl@ss 9.0 | 27-14-11-41 |
| ETIM 8.0 | EC000901 |
| ETIM 7.0 | EC000901 |
| PU (SPU) | 50 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918512022 |
| Customs tariff number | 85369010000 |




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

Environmental Product Compliance

| | |
|---|---------------------------------------|
| CAS-No. | 7439-92-1 |
| REACH Candidate List Substance | Lead |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 6(c) 7(a) 7(c)-I 7(c)-II |
| SCIP notification number (Austria) | 56bac3ba-91c5-42dc-ba1f-6ce84fcb8fe5 |
| SCIP notification number (Belgium) | bdbf258c-3d4d-4a15-8d3c-862d85e09242 |
| SCIP notification number (Bulgaria) | 2c75fec0-3f55-4fed-9d03-d75b14b32ee2 |
| SCIP notification number (Czech Republic) | bfbdb15f5-6af4-4ca8-9ece-263806536d4e |
| SCIP notification number (Denmark) | 454ecafb-1d0c-4287-a195-04d0a0141eaa |
| SCIP notification number (Finland) | 1cfe98fd-10cd-40c8-b112-c40e48cf9c65 |
| SCIP notification number (France) | d6811302-b0e7-4aa2-aa8f-a583fa807fde |
| SCIP notification number (Germany) | 32a58ac3-4bb2-4b1f-8d22-200d4ed6b568 |
| SCIP notification number (Hungary) | 8405fc3e-ac4e-4564-baba-891f2c3f45b1 |
| SCIP notification number (Italy) | e284c0c0-2377-4de6-8218-870f0f2d11a8 |
| SCIP notification number (Netherlands) | 421e5464-b968-4048-a81a-33e866d332de |
| SCIP notification number (Poland) | 2b0f77c7-9805-46b9-83b8-69f65f7d7a40 |
| SCIP notification number (Romania) | 9c46f2c1-01b8-4f66-bb6d-1256b8dc89b5 |
| SCIP notification number (Sweden) | 3c3e5d19-8e63-4ae6-b063-1052b5526ef0 |

Approvals / Certificates

General approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | IEC 60947 | NTR NL-7454/A1 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1505034 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71-107288 |
| UL | UL | UL 1059 | E45172 |

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







UL International Germany GmbH

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 20- HG1941090- PDA |
|  | BV Bureau Veritas S.A. | EN 60947 | 07436/F0 BV |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
|  | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

Required accessories

End plate

End plate



Item no.: 281-335

End and intermediate plate; 2.5 mm thick; orange

www.wago.com/281-335

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

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
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**Item no.: 281-334**

End and intermediate plate; 2.5 mm thick; gray

www.wago.com/281-334

Optional accessories

Carrier rail

Mounting accessories

**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

www.wago.com/210-197**Item no.: 210-198**

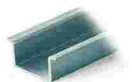
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

www.wago.com/210-198**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

www.wago.com/210-504**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

www.wago.com/210-505**Item no.: 210-506**

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

www.wago.com/210-506**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

www.wago.com/210-508**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

www.wago.com/210-113**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

www.wago.com/210-118**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

www.wago.com/210-112**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

www.wago.com/210-114**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

www.wago.com/210-115**Item no.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

www.wago.com/210-196

Marking accessories

Marker

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

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Hansastr. 27












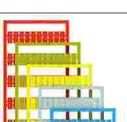
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| | | |
|--|--|--|
|  | Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-115/000-002 |
|  | Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-115/000-007 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 |
|  | 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 | 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; green | 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 |
|  | 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 |

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



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



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



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



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



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



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



Item no.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/793-501



Item no.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/793-501/000-024



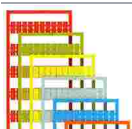
Item no.: 793-5501/000-005
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

www.wago.com/793-5501/000-005



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



















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

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

| | | |
|--|--|--|
|  | 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 |
|  | 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 |
|  | 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 |
| Group marker carrier | | |
|  | Item no.: 209-142 Group marker carrier; gray | www.wago.com/209-142 |
|  | Item no.: 209-141 Group marker carrier; gray | www.wago.com/209-141 |
|  | Item no.: 209-140 Group marker carrier; gray | www.wago.com/209-140 |
|  | Item no.: 249-105 Group marker carrier; gray | www.wago.com/249-105 |
| Jumpers | | |
| Jumper | | |
|  | Item no.: 210-123 Wire commoning chain; insulated; blue | www.wago.com/210-123 |
|  | Item no.: 210-103 Wire commoning chain; insulated; black | www.wago.com/210-103 |
|  | Item no.: 281-402 Jumper; insulated; gray | www.wago.com/281-402 |
|  | Item no.: 281-409 Jumper; insulated; gray | www.wago.com/281-409 |
|  | Item no.: 281-422 Jumper; insulated; yellow-green | www.wago.com/281-422 |
|  | Item no.: 281-485 Jumper; 5-way; insulated; gray | www.wago.com/281-485 |
|  | Item no.: 281-490 Jumper; 10-way; insulated; gray | www.wago.com/281-490 |
|  | Item no.: 281-492 Jumper; 2-way; insulated; gray | www.wago.com/281-492 |

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

| | | |
|--|---|--|
|  | Item no.: 281-482 Jumper; 2-way; insulated; gray | www.wago.com/281-482 |
|  | Item no.: 281-483 Jumper; 3-way; insulated; gray | www.wago.com/281-483 |
|  | Item no.: 709-110 Wire commoning chain; 2.5 mm ² ; insulated; black | www.wago.com/709-110 |
|  | Item no.: 709-112 Wire commoning chain; 2.5 mm ² ; insulated; black | www.wago.com/709-112 |
|  | Item no.: 709-111 Wire commoning chain; 2.5 mm ² ; insulated; black | www.wago.com/709-111 |
|  | Item no.: 781-453 Staggered jumper; from 1 to 3; insulated; gray | www.wago.com/781-453 |
|  | Item no.: 781-452 Staggered jumper; from 1 to 2; insulated; gray | www.wago.com/781-452 |
|  | Item no.: 781-455 Staggered jumper; from 1 to 5; insulated; gray | www.wago.com/781-455 |
|  | Item no.: 781-454 Staggered jumper; from 1 to 4; insulated; gray | www.wago.com/781-454 |
|  | Item no.: 781-456 Staggered jumper; from 1 to 6; insulated; gray | www.wago.com/781-456 |
| Push-in type wire jumper | | |
| Jumper | | |
|  | Item no.: 249-123 Push-in type wire jumper; 0.75 mm ² ; insulated; 180 mm long; black | www.wago.com/249-123 |
|  | Item no.: 249-126 Push-in type wire jumper; 0.75 mm ² ; insulated; 110 mm long; black | www.wago.com/249-126 |
|  | Item no.: 249-127 Push-in type wire jumper; 0.75 mm ² ; insulated; 250 mm long; black | www.wago.com/249-127 |
|  | Item no.: 249-125 Push-in type wire jumper; insulated; 60 mm long; black | www.wago.com/249-125 |
| Ferrule | | |
| Ferrule | | |
|  | Item no.: 216-106 Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-106 |
|  | Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |

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

| | | |
|---|--|--|
|  | Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
|  | Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
|  | Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
|  | Item no.: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow | www.wago.com/216-205 |
|  | Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
|  | Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
|  | Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
|  | Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-246 |
|  | Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
|  | Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-302 |

Mounting

Cover carrier


Item no.: 709-167

Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

www.wago.com/709-167

Cover


Item no.: 709-153

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

www.wago.com/709-153

Mounting accessories


Item no.: 209-106

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

www.wago.com/209-106

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

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**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


Testing and measuring

Testing accessories

| | | |
|---|---|--|
|  | Item no.: 209-170 Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm ² - 10 mm ² tbs; gray | www.wago.com/209-170 |
|  | Item no.: 281-407 Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm ² - 2.5 mm ² ; 2,50 mm ² ; gray | www.wago.com/281-407 |
|  | Item no.: 281-418 Test plug module; modular; suitable for all WAGO 281, 776, 777 and 781 series rail-mounted terminal blocks with jumper slots in the current bar; gray | www.wago.com/281-418 |
|  | Item no.: 281-419 Spacer module; modular; bridging commoned terminal blocks; gray | www.wago.com/281-419 |
|  | Item no.: 249-145 L-type end module; modular; with rigid contact pin; End module; 2,50 mm ² ; gray | www.wago.com/249-145 |
|  | Item no.: 249-146 L-type spacer module; modular; e.g., bridging commoned terminal blocks; gray | www.wago.com/249-146 |
|  | Item no.: 249-147 B-type test plug module; modular; 2,50 mm ² ; gray | www.wago.com/249-147 |
|  | Item no.: 249-148 B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/249-148 |
|  | Item no.: 249-144 L-type test plug module; modular; with spring-loaded contact pin; Center module; 2,50 mm ² ; gray | www.wago.com/249-144 |
|  | Item no.: 280-404 Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm ² - 4 mm ² tbs; gray | www.wago.com/280-404 |



Protective warning marker

Cover

| | | |
|--|---|--|
|  | Item no.: 281-415 Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow | www.wago.com/281-415 |
|--|---|--|

Tool

Operating tool

| | | |
|--|---|--|
|  | Item no.: 210-657 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured | 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; multicoloured | www.wago.com/210-658 |

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



Item no.: 210-720

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

www.wago.com/210-720

Insulation stop

Insulation stop



Item no.: 281-470

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

www.wago.com/281-470



Item no.: 281-471

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

www.wago.com/281-471



Item no.: 281-472

Insulation stop; 0.75 - 1.5 mm²; 5 pieces/strip; dark gray

www.wago.com/281-472

Downloads

Documentation

Bid Text

| | | | |
|------------------------|-------------|----------------|----------|
| 281-658 X81 - Datei | 2019 Feb 19 | xml 3.1 kB | Download |
| 281-658 doc - Datei | 2017 Feb 28 | doc 24.6 kB | Download |

Additional Information

| | | | |
|---|--|---------------|----------|
| Technical Section Technical explanations | | pdf 2.2 MB | Download |
|---|--|---------------|----------|

CAD/CAE-Data

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 281-658 | | URL | Download |
|----------------------|--|-----|----------|

CAE data

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 281-658 | | URL | Download |
|---------------------------|--|-----|----------|

| | | | |
|------------------------|--|-----|----------|
| WSCAD Universe 281-658 | | URL | Download |
|------------------------|--|-----|----------|

ZUKEN Portal 281-658

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

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 281-658

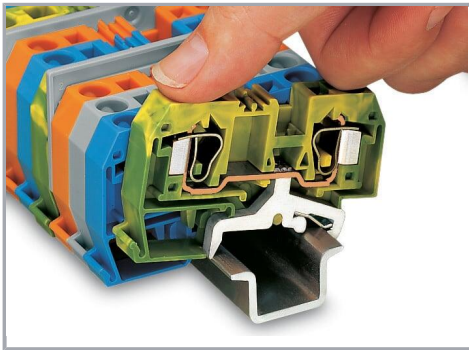
[URL](#)

[Download](#)

4-conductor shield terminal block; 4 mm²; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm²; white

Installation Notes

Installation



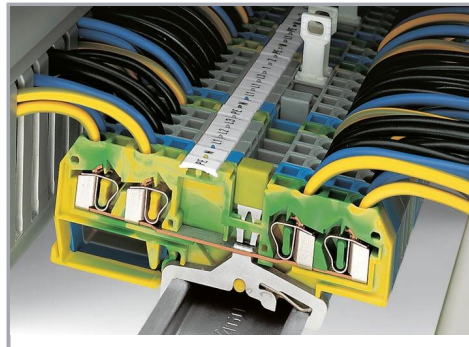
Snapping a ground conductor block onto the DIN-rail automatically makes a direct electrical connection to the rail.



Quick assembly keys prevent reverse mounting.



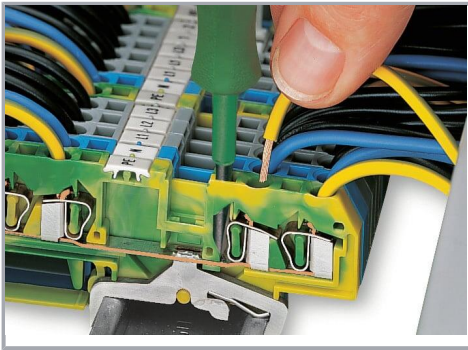
Removing a terminal block from the assembly.



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

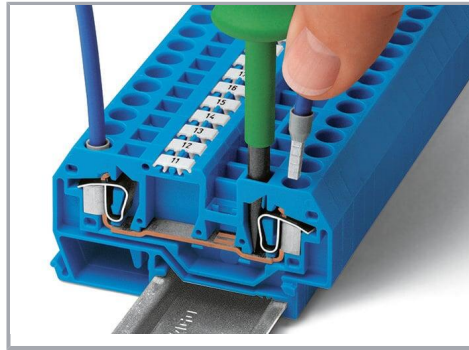
Conductor termination

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



CAGE CLAMP® connection

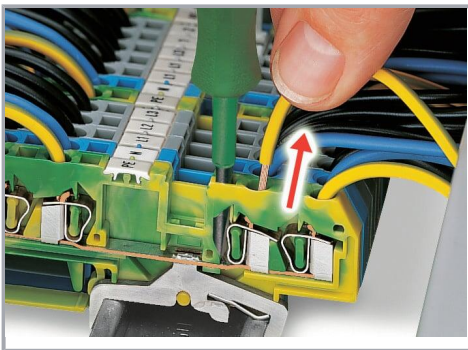
Inserting a conductor.



CAGE CLAMP® connection

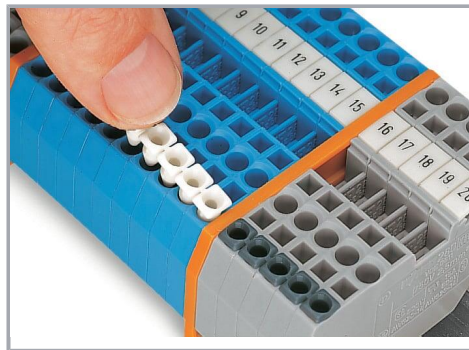
Inserting a conductor.

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



CAGE CLAMP® connection

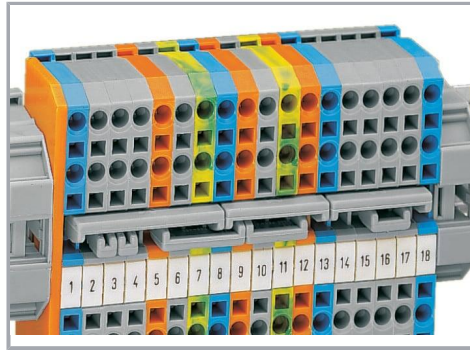
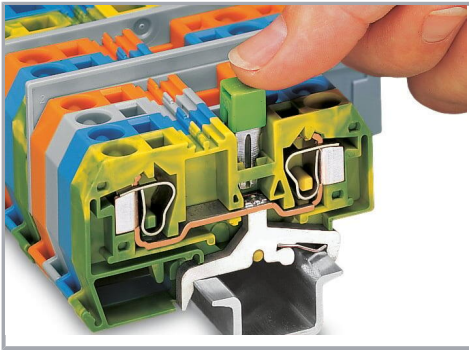
Removing a solid conductor.



Inserting insulation stops.

Commoning

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



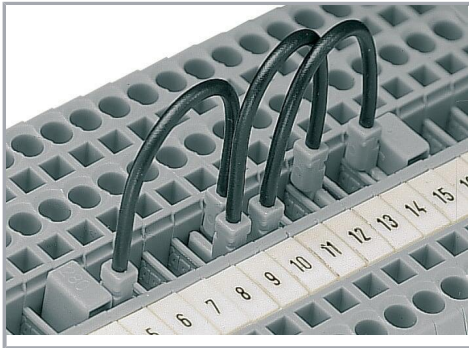
Commoning ground conductor terminal blocks with through terminal blocks is possible in one direction only (via rear side of terminal block) using adjacent jumpers. WAGO recommends using yellow-green adjacent jumpers in addition to the required marking of these blocks.

Staggered jumpers are suitable for sophisticated circuit requirements. Push jumpers down until fully inserted!

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



Push-In Type Wire Jumpers

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

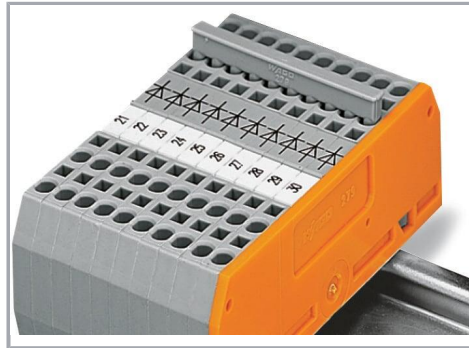
These jumpers are compatible with the following rail-mount terminal blocks:

- 279 Series (1.5 mm²/16 AWG),
- 280/775/780 Series (2.5 mm²/14 AWG)
- 281/769/776/777/781 and 880 Series (4 mm² /12 AWG)

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

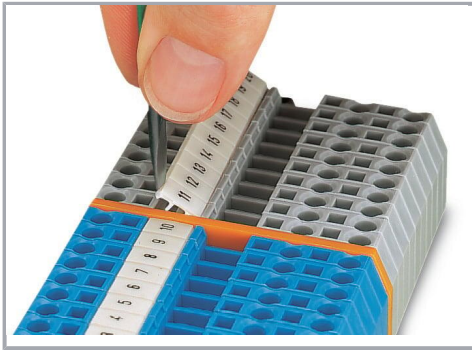
The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780 /880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

Marking



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

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



Labeling via WMB Multi Marking System.

Product family

Classic

EPSITRON® CLASSIC POWER: The Robust Power Supply – with Integrated TopBoost (Optional)

[Show all products from the family](#)

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