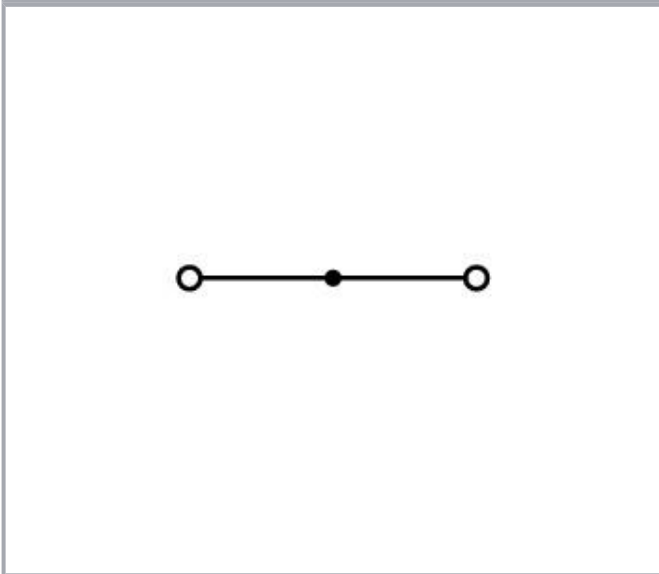
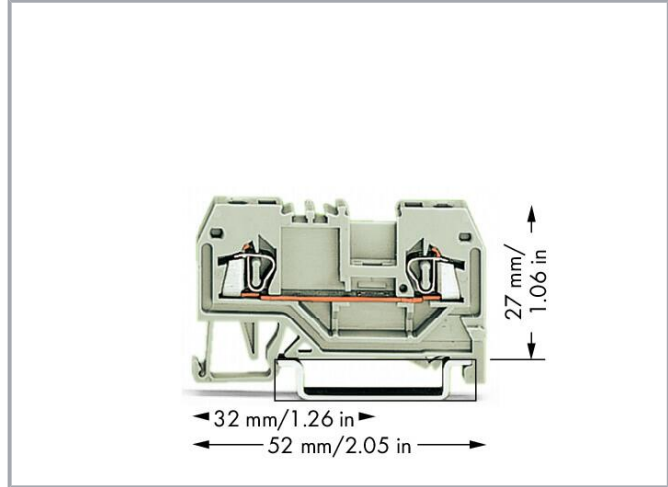
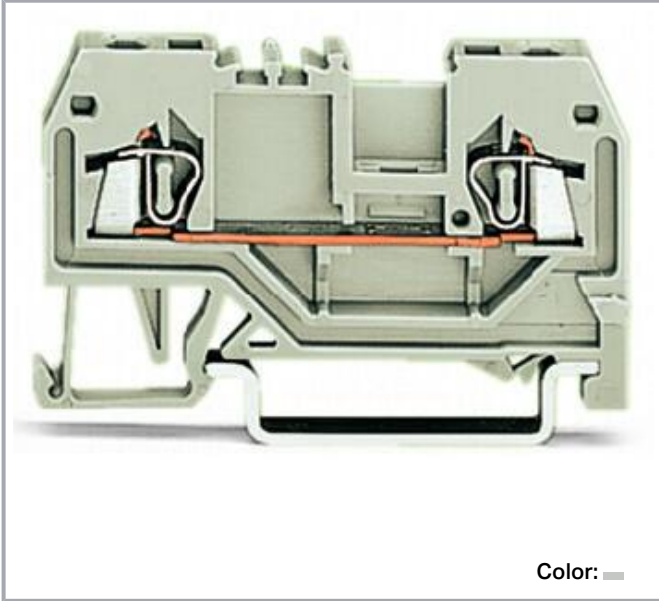


Data sheet | Item number: 279-992

2-conductor through terminal block; 1.5 mm²; suitable for Ex e II applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm²; light gray

www.wago.com/279-992



Data

Electrical data

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

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Ratings per IEC/EN

| | |
|-------------|------------------|
| Ratings per | IEC/EN 60947-7-1 |
|-------------|------------------|

Ratings per UL 1059

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 10 A |

Ratings per CSA

| | |
|---------------------------------|-----------------|
| Approvals per | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 10 A |

Ex information

| | |
|----------------------------|---|
| Reference hazardous areas | See application instructions in section "Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explications" |
| Ratings per | ATEX: PTB 00 ATEX 3113 U / IECEx: PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb) |
| Rated voltage EN (Ex e II) | 550 V |
| Rated current (Ex e II) | 15 A |

Power loss

| | |
|--|----------------|
| Power loss, per pole (potential) | 0.412 W |
| Rated current I_N for specified power loss | 15 A |
| Resistance value for specified, current-dependent power loss | 0.002 Ω |

Connection data

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

Connection 1

| | |
|-----------------------|----------------|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |

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



| | |
|---------------------------------|--|
| Connectable conductor materials | Copper |
| Solid conductor | 0.08 ... 1.5 mm ² / 28 ... 16 AWG |
| Fine-stranded conductor | 0.08 ... 1.5 mm ² / 28 ... 16 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 4 mm / 0.157 inches |
| Height | 52 mm / 2.047 inches |
| Depth from upper-edge of DIN-rail | 27 mm / 1.063 inches |

Mechanical Data

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

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.084 MJ |
| Weight | 4.2 g |

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 | 27-14-11-20 |
| eCl@ss 9.0 | 27-14-11-20 |
| ETIM 8.0 | EC000897 |
| ETIM 7.0 | EC000897 |
| PU (SPU) | 100 pcs |

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

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| | |
|-----------------------|---------------|
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918524735 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance



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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------------|--------------------------|--|
|  | CCC CNEX | GB/T 3836.3 | 2020312313000232 (Ex eb IIC Gb, Ex eb I Mb) |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 70133738 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2160584.04 |
|  | UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

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

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

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| 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) |

Approvals for hazardous areas

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|--|
|  | AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt | UL 60079 | E185892 (AEx e II) |
|  | ATEX Physikalisch Technische Bundesanstalt (PTB) | - | PTB 00 ATEX 3113 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
|  | CCC CNEX | GB/T 3836.3 | 2020312313000232 (Ex eb IIC Gb, Ex eb I Mb) |
|  | EAC Brjansker Zertifizierungsstelle | TP TC 012/2011 | RU C-DE.AM02.B. 00127/19 |
|  | IECEX Physikalisch Technische Bundesanstalt | IEC 60079-0 | IECEX PTB 03.0004U (Ex eb IIC Gb, Ex eb I Mb) |

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

Required accessories

End plate

End plate

**Item no.: 279-330**

End and intermediate plate; 2 mm thick; light gray

www.wago.com/279-330

Optional accessories

Mounting

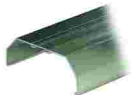
Cover carrier

**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**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

Tool

Operating tool

**Item no.: 210-648**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

www.wago.com/210-648**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Insulation stop

Insulation stop

**Item no.: 279-470**Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; whitewww.wago.com/279-470**Item no.: 279-471**Insulation stop; 0.25 mm²; 5 pieces/strip; dark graywww.wago.com/279-471

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

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Protective warning marker

Cover

**Item no.: 279-415**

Protective warning marker; 5-pole; with high-voltage symbol, black; yellow

www.wago.com/279-415

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**

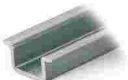
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored

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**

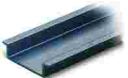
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

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

Ferrule

Ferrule

**Item no.: 216-101**

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

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Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-101

Item no.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-102

Item no.: 216-103

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

www.wago.com/216-103

Item no.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-203

Item no.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202

Item no.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201

Item no.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301

Item no.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

www.wago.com/216-302

Marking accessories

Double marker carrier



Item no.: 209-128

Adaptor; gray

www.wago.com/209-128

Marker



Item no.: 2009-114/000-002

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

www.wago.com/2009-114/000-002



Item no.: 2009-114/000-005

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red

www.wago.com/2009-114/000-005



Item no.: 2009-114/000-007

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray

www.wago.com/2009-114/000-007



Item no.: 2009-114/000-023

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green

www.wago.com/2009-114/000-023



Item no.: 2009-114/000-006

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue

www.wago.com/2009-114/000-006



Item no.: 2009-114/000-024

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet

www.wago.com/2009-114/000-024

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

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| | | |
|--|--|--|
|  | Item no.: 2009-114/000-012 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange | www.wago.com/2009-114/000-012 |
|  | Item no.: 2009-114 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white | www.wago.com/2009-114 |
|  | Item no.: 793-4501/000-002 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow | www.wago.com/793-4501/000-002 |
|  | Item no.: 793-4501/000-006 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue | www.wago.com/793-4501/000-006 |
|  | Item no.: 793-4501/000-014 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown | www.wago.com/793-4501/000-014 |
|  | Item no.: 793-4501 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white | www.wago.com/793-4501 |
|  | Item no.: 793-4501/000-023 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green | www.wago.com/793-4501/000-023 |
|  | Item no.: 793-4501/000-024 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet | www.wago.com/793-4501/000-024 |
|  | Item no.: 793-4501/000-005 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red | www.wago.com/793-4501/000-005 |
|  | Item no.: 793-4501/000-007 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray | www.wago.com/793-4501/000-007 |
|  | Item no.: 793-4501/000-012 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange | www.wago.com/793-4501/000-012 |

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



Item no.: 793-4501/000-017

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

www.wago.com/793-4501/000-017

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.: 279-402

Jumper; insulated; gray

www.wago.com/279-402



Item no.: 279-409

Jumper; insulated; gray

www.wago.com/279-409



Item no.: 279-422

Jumper; insulated; yellow-green

www.wago.com/279-422



Item no.: 279-492

Jumper; 2-way; insulated; gray

www.wago.com/279-492



Item no.: 279-490

Jumper; 10-way; insulated; gray

www.wago.com/279-490



Item no.: 279-482

Jumper; 2-way; insulated; gray

www.wago.com/279-482



Item no.: 279-483

Jumper; 3-way; insulated; gray

www.wago.com/279-483

Push-in type wire jumper

Jumper



Item no.: 249-123

Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; black

www.wago.com/249-123



Item no.: 249-126

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; black

www.wago.com/249-126



Item no.: 249-127

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; black

www.wago.com/249-127

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

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Item no.: 249-125

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

www.wago.com/249-125

Downloads

Documentation

Bid Text

| | | | |
|------------------------|-------------|---------------|----------|
| 279-992 X81 - Datei | 2019 Feb 19 | xml 3.3 kB | Download |
|------------------------|-------------|---------------|----------|

| | | | |
|------------------------|-------------|----------------|----------|
| 279-992 doc - Datei | 2017 Feb 28 | doc 24.1 kB | Download |
|------------------------|-------------|----------------|----------|

Additional Information

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

CAD/CAE-Data

CAE data

| | | | |
|------------------------|--|-----|----------|
| WSCAD Universe 279-992 | | URL | Download |
|------------------------|--|-----|----------|

| | | | |
|----------------------|--|-----|----------|
| ZUKEN Portal 279-992 | | URL | Download |
|----------------------|--|-----|----------|

| | | | |
|---------------------------|--|-----|----------|
| EPLAN Data Portal 279-992 | | URL | Download |
|---------------------------|--|-----|----------|

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 279-992 | | URL | Download |
|----------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

| | | | |
|--|--|-----|----------|
| Environmental Product Compliance 279-992 | | URL | Download |
|--|--|-----|----------|

2-conductor through terminal block; 1.5 mm²; suitable for Ex e II applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm²; light gray

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

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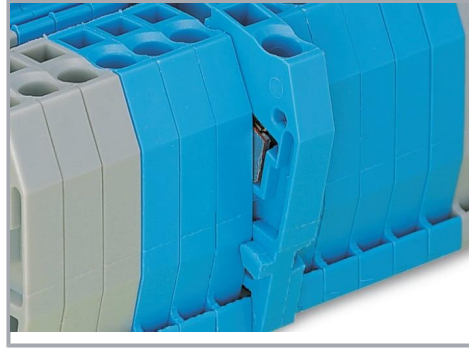
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Installation Notes

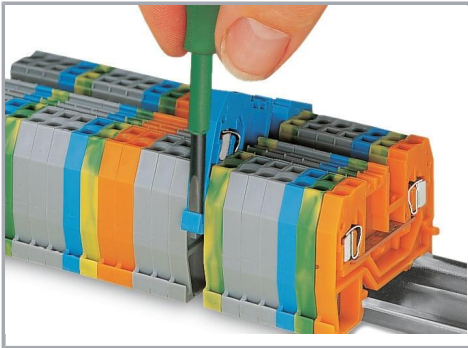
Installation



Snapping a terminal block onto the DIN-rail.



Quick assembly keys prevent reverse mounting.



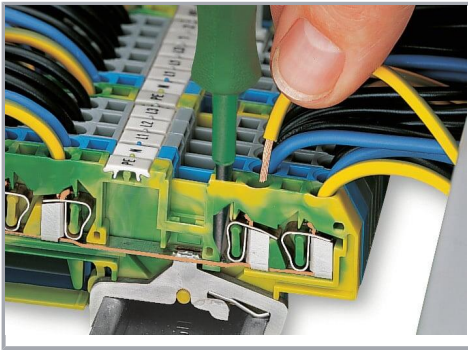
Removing a terminal block from the assembly.



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

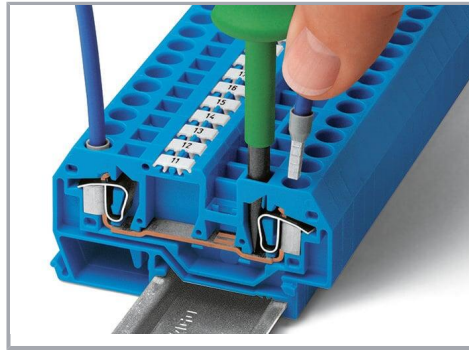
Conductor termination

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



CAGE CLAMP® connection

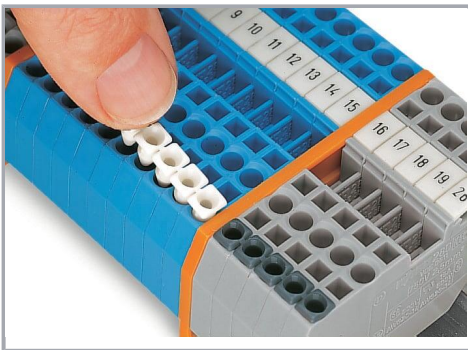
Inserting a conductor.



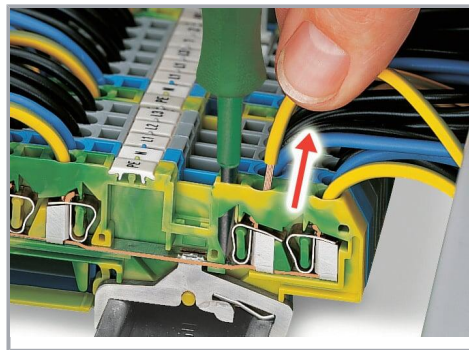
CAGE CLAMP® connection

Inserting a conductor.

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



Inserting insulation stops.

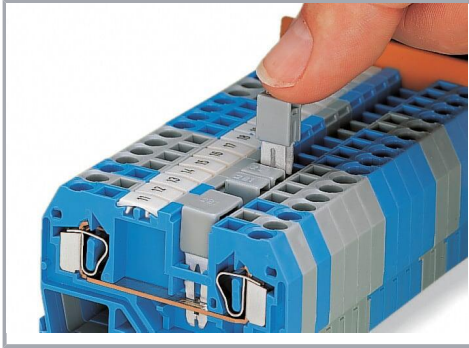


CAGE CLAMP® connection

Removing a solid conductor.

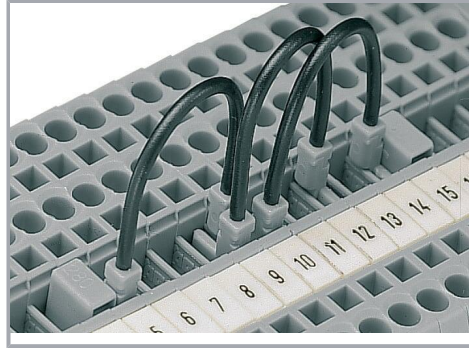
Commoning

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



Commoning using an adjacent jumper.

Push jumper down until fully inserted!



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.

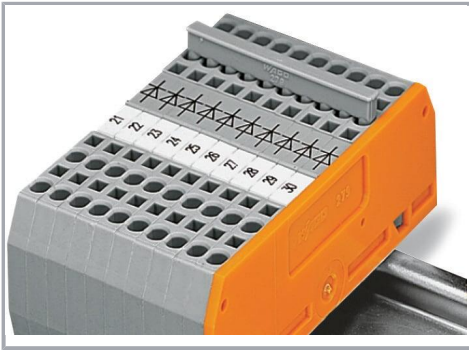
These jumpers are compatible with the following rail-mount terminal blocks:

- 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).

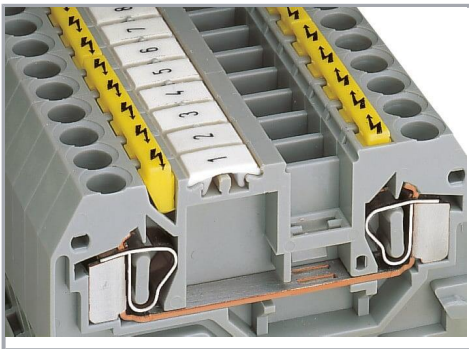
The 280/775/780 and 281/776/777/781 Series Terminal Blocks accept two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780 /880 and 281/776/777/781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

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



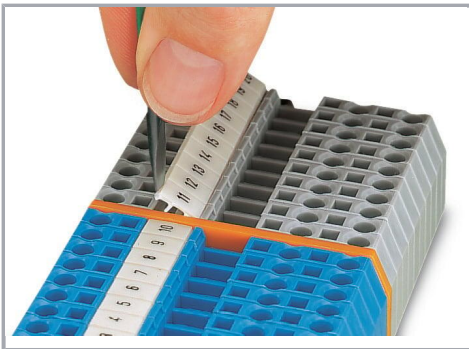
Commoning using comb-style jumper bars:
Push comb-style jumper bars down until fully inserted.

Cover



Protective warning markers inserted into the operating slots

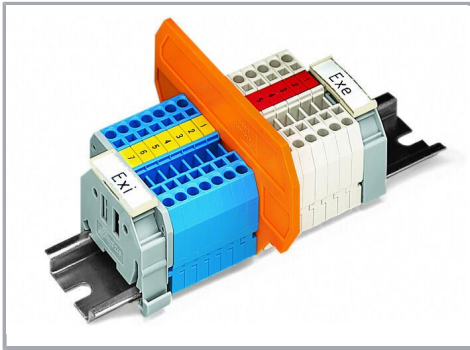
Marking



Labeling via WMB Multi Marking System.

Ex application

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



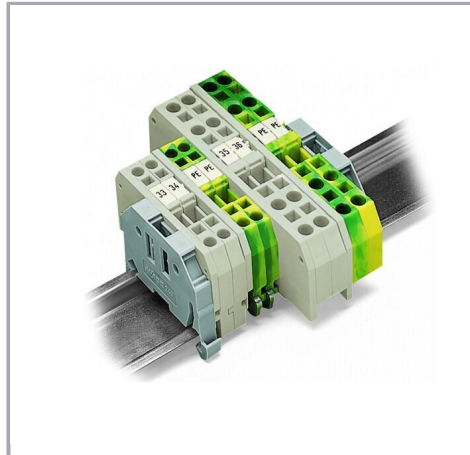
Separator plate for Ex e/Ex i applications

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common DIN-rail.

For 279 ... 282 Series:

209-190 for 2-conductor terminal blocks

209-191 for 2-, 3-, 4-conductor terminal blocks



End and intermediate plate

In order to meet creepage and clearance requirements for Ex e applications, it is necessary to insert an end or intermediate plate between a through and a ground conductor terminal block.

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!