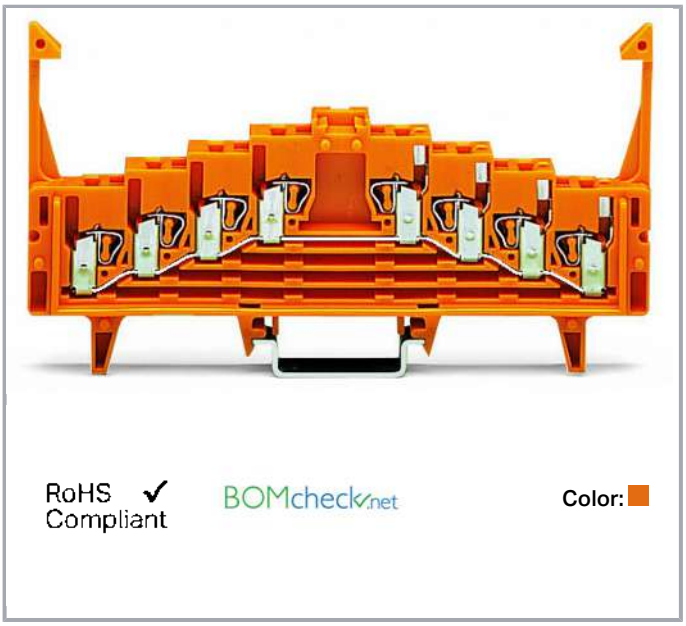
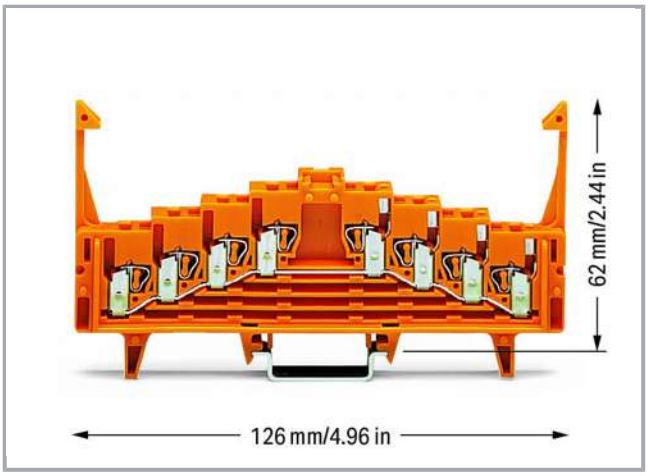
# 4-level same potential terminal block; for 35 x 7.5 mounting rail; 1,50 mm²; orange

www.wago.com/727-225




## Data

### Electrical data

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

| | |
|---|---|
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 18 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 |
| Solid conductor | 0.08 … 1.5 mm² / 28 … 16 AWG |
| Fine-stranded conductor | 0.08 … 1.5 mm² / 28 … 16 AWG |
| Strip length | 8 … 10 mm / 0.31 … 0.39 inch |
| Total number of connection points | 16 |

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

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| | |
|---|---|
| Total number of potentials | 1 |
| Number of levels | 4 |
| Type of wiring | Front-entry wiring |

## Geometrical Data

| | |
|---|---|
| Width | 7.62 mm / 0.3 inch |
| Height from upper-edge of DIN-35 rail | 62 mm / 2.441 inch |
| Depth | 126 mm / 4.961 inch |

## Mechanical data

| | |
|---|---|
| Design | horizontal |
| Type of mounting | DIN-35 rail |
| Marking | plain |
| Marking level | Center marking |

## Material Data

| | |
|---|---|
| Color | orange |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load | 0.576 MJ |
| Weight | 30.4 g |

## Commercial data

| | |
|---|---|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454189006 |
| Customs Tariff No. | 85369010000 |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| CCA | **CCA**<br>DEKRA Certification B.V. | EN 60947 | NTR NL 7485 |
| | **CSA**<br>DEKRA Certification B.V. | C22.2 No. 158 | 70048845 |

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| | | | |
|---|---|---|---|
| | **KEMA/KEUR**<br>DEKRA Certification B.V. | EN 60947 | 2192101.01 |

**UL-Approvals**

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

## Counterpart

## Compatible products

**End plate**

| | | |
|---|---|---|
| | **Item no.: 727-205**<br>4-level end plate; marking: 0-1-2-3--3-2-1-0; 7.62 mm thick; orange | www.wago.com/727-205 |
| | **Item no.: 727-206**<br>4-level end plate; marking: a-b-c-d--d-c-b-a; 7.62 mm thick; orange | www.wago.com/727-206 |
| | **Item no.: 727-207**<br>4-level end plate; marking: 3-2-1-0--0-1-2-3; 7.62 mm thick; orange | www.wago.com/727-207 |
| | **Item no.: 727-208**<br>4-level end plate; marking: d-c-b-a--a-b-c-d; 7.62 mm thick; orange | www.wago.com/727-208 |
| | **Item no.: 727-213**<br>4-level end plate; plain; 7.62 mm thick; gray/gray | www.wago.com/727-213 |

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| | | |
|---|---|---|
| | **Item no.: 727-214**<br>4-level end plate; plain; 7.62 mm thick; blue | www.wago.com/727-214 |
| | **Item no.: 727-217**<br>4-level end plate; plain; 7.62 mm thick; orange | www.wago.com/727-217 |

**Marking accessories**

| | | |
|---|---|---|
| | **Item no.: 2009-115**<br>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.: 2009-115/000-002**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-115<br>/000-002 |
| | **Item no.: 2009-115/000-006**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115<br>/000-006 |
| | **Item no.: 2009-115/000-007**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-115<br>/000-007 |
| | **Item no.: 2009-115/000-012**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115<br>/000-012 |
| | **Item no.: 2009-115/000-017**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115<br>/000-017 |
| | **Item no.: 2009-115/000-023**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-115<br>/000-023 |
| | **Item no.: 2009-115/000-024**<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115<br>/000-024 |
| | **Item no.: 209-128**<br>Adaptor; gray | www.wago.com/209-128 |
|  | **Item no.: 793-501**<br>WMB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/793-501 |
| | **Item no.: 793-501/000-002**<br>WMB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/793-501<br>/000-002 |
| | **Item no.: 793-501/000-005**<br>WMB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/793-501<br>/000-005 |

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|---|---|---|
| | **Item no.: 793-501/000-006**<br>WMB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/793-501/000-006 |
| | **Item no.: 793-501/000-007**<br>WMB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/793-501/000-007 |
| | **Item no.: 793-501/000-012**<br>WMB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/793-501/000-012 |
| | **Item no.: 793-501/000-017**<br>WMB marking card; as card; not stretchable; plain; snap-on type; light green | www.wago.com/793-501/000-017 |
| | **Item no.: 793-501/000-023**<br>WMB marking card; as card; not stretchable; plain; snap-on type; green | www.wago.com/793-501/000-023 |
| | **Item no.: 793-501/000-024**<br>WMB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/793-501/000-024 |
| | **Item no.: 793-5501**<br>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.: 793-5501/000-002**<br>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.: 793-5501/000-005**<br>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.: 793-5501/000-006**<br>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 |
| | **Item no.: 793-5501/000-007**<br>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**<br>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**<br>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 |

**Item no.: 793-5501/000-023**

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|---|---|---|
| | 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 |
| | **Item no.: 793-5501/000-024**<br>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 |

**Carrier rail**

| | | |
|---|---|---|
| | **Item no.: 210-112**<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm | www.wago.com/210-112 |
| | **Item no.: 210-113**<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-113 |
| | **Item no.: 210-114**<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715 | www.wago.com/210-114 |
| | **Item no.: 210-115**<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm | www.wago.com/210-115 |
| | **Item no.: 210-118**<br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-118 |
| | **Item no.: 210-196**<br>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 |
| | **Item no.: 210-197**<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 | www.wago.com/210-197 |
| | **Item no.: 210-198**<br>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**<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715 | www.wago.com/210-504 |
| | **Item no.: 210-505**<br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | www.wago.com/210-505 |
| | **Item no.: 210-506**<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715 | www.wago.com/210-506 |
| | **Item no.: 210-508**<br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715 | www.wago.com/210-508 |

**tools**

| | | |
|---|---|---|
| | **Item no.: 210-647**<br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-647 |
| | **Item no.: 210-719**<br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-719 |

**General accessories**

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| | | |
|---|---|---|
| | **Item no.: 249-109**<br>Wire harness support; gray | www.wago.com/249-109 |

**ferrule**

| | | |
|---|---|---|
| | **Item no.: 216-101**<br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated | www.wago.com/216-101 |
| | **Item no.: 216-102**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated | www.wago.com/216-102 |
| | **Item no.: 216-103**<br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
| | **Item no.: 216-104**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-104 |
| | **Item no.: 216-121**<br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated | www.wago.com/216-121 |
| | **Item no.: 216-122**<br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated | www.wago.com/216-122 |
| | **Item no.: 216-123**<br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-123 |
| | **Item no.: 216-124**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-124 |
|  | **Item no.: 216-131**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-131 |
| | **Item no.: 216-132**<br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
| | **Item no.: 216-151**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| | **Item no.: 216-152**<br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| | **Item no.: 216-201**<br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
| | **Item no.: 216-202**<br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
| | **Item no.: 216-203**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
| | **Item no.: 216-204**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
| | **Item no.: 216-221**<br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |

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| | | |
|---|---|---|
| | **Item no.: 216-222**<br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
| | **Item no.: 216-223**<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| | **Item no.: 216-224**<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| | **Item no.: 216-301**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
| | **Item no.: 216-302**<br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-302 |
| | **Item no.: 216-321**<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
| | **Item no.: 216-322**<br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-322 |
| **check** | | |
| | **Item no.: 210-137**<br>Test plug; 2.3 mm Ø; with 500 mm cable; yellow | www.wago.com/210-137 |
| | **Item no.: 210-297**<br>Step-down test plug; from 4mm socket to 2mm plug; red | www.wago.com/210-297 |
| **Insulation stop** | | |
| | **Item no.: 727-197**<br>Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 8 pieces/strip; white | www.wago.com/727-197 |
| | **Item no.: 727-198**<br>Insulation stop; 0.25 mm² “s”; 0.14 - 0.25 mm² “f-st”; 8 pieces/strip; light gray | www.wago.com/727-198 |
| | **Item no.: 727-199**<br>Insulation stop; 0.25 - 0.5 mm² "s+f-st"; 8 pieces/strip; dark gray | www.wago.com/727-199 |
| **Jumper** | | |
| | **Item no.: 709-107**<br>Wire commoning chain; insulated; 32 connections; gray | www.wago.com/709-107 |

## Downloads

## Documentation

### Bid Text

| | | | |
|---|---|---|---|
| 727-225<br>GAEB X81 - Datei | Feb 19, 2019 | xml<br>3.4 kB | Download |
| 727-225 | Feb 21, 2019 | docx | Download |

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| | | | |
|---|---|---|---|
| GAEB docx - Datei | | 15.5 kB | |

**Additional Information**

| | | | |
|---|---|---|---|
| Technical explanations | Apr 3, 2019 | pdf<br>2.1 MB | Download |

## CAD/CAE-Data

**CAD data**

| | | |
|---|---|---|
| 2D/3D Models 727-225 | URL | Download |

**CAE data**

| | | |
|---|---|---|
| EPLAN Data Portal 727-225 | URL | Download |
| WSCAD Universe 727-225 | URL | Download |

## Installation Notes

**Assembly**



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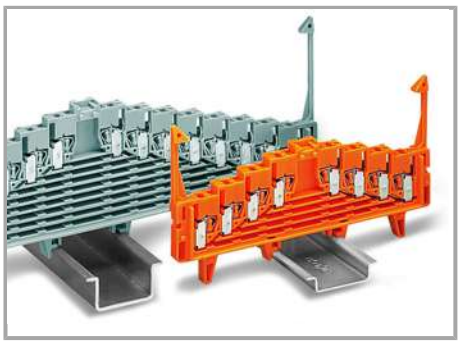
Example:

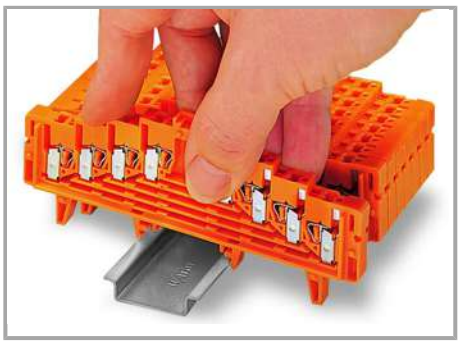
Left: Main cables fed through locking clips on the field side

Right: Control cables fed between locking clips

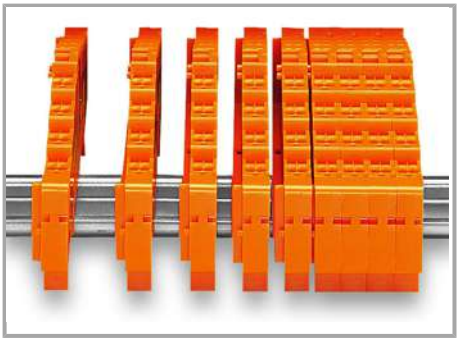
Center: Wiring of both patching sides



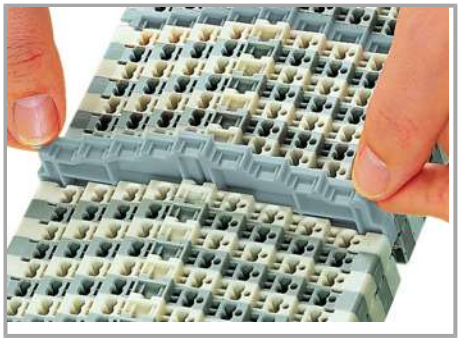
Terminal blocks for DIN 35 x 7.5 mm or DIN 35 x 15 mm rails are available.



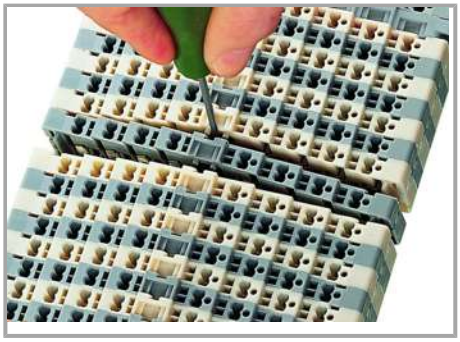
Snap individual 4- or 8-level terminal blocks onto the carrier rail.



Slide terminal blocks together.



Grip end plate at both sides and:



Open the assembly by laterally sliding a block via operating tool (2.5 x 0.4 mm blade).

- push down (assembly)
- 
- pull up (removal)
- 

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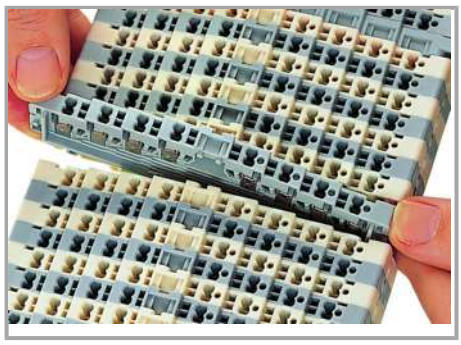
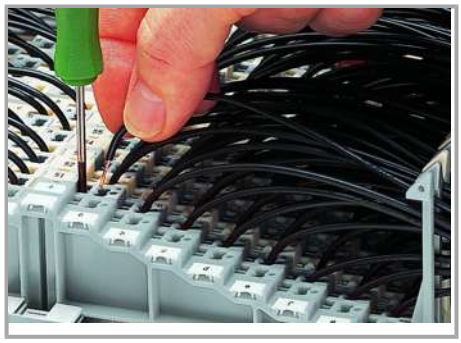


Slide terminal block and remove from the rail with a levering action.

### Inserting a conductor



**CAGE CLAMP® connection**

Inserting a conductor via 210-719 Operating Tool (2.5 x 0.4 mm blade).

Max. cross section for uninsulated ferrules 1 mm² / 18 AWG, for insulated ferrules 0.75 mm² / 20 AWG.

### Testing

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

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Do you have any questions about our products?
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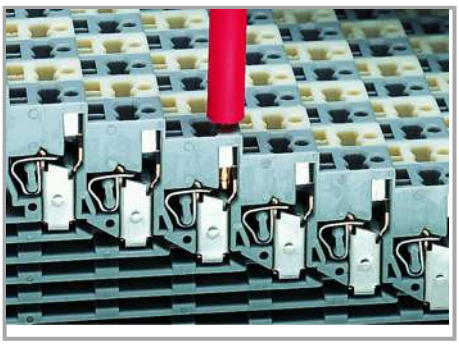
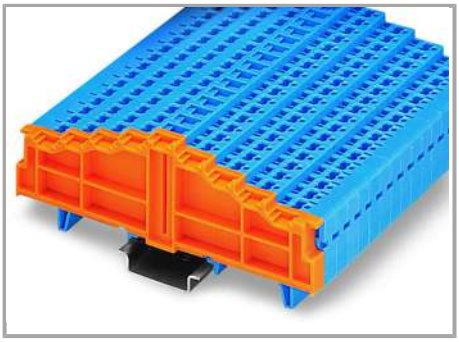


Special test contact for 2.3 mm Ø test plug.

### Ex Application



Blue terminal blocks for matrix patching are suitable for Ex i applications.

Using terminal blocks with locking clips, the wiring space between the terminal strips can be covered with a wiring duct cover.

### Marking

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

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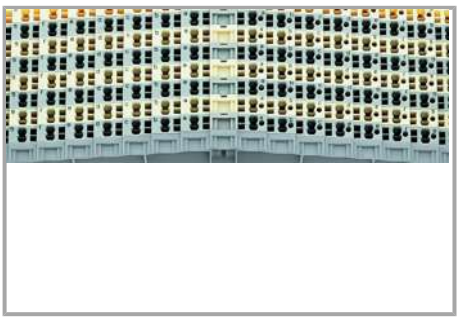
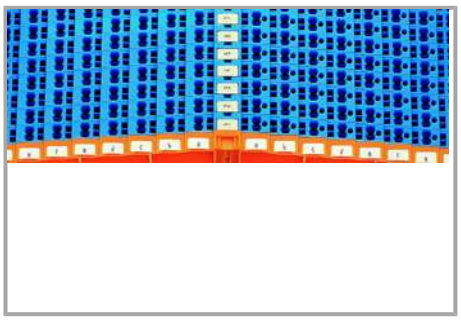


Connection points identified via factory-direct printing



Marking coordinates via WMB Multi Marking System.

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

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