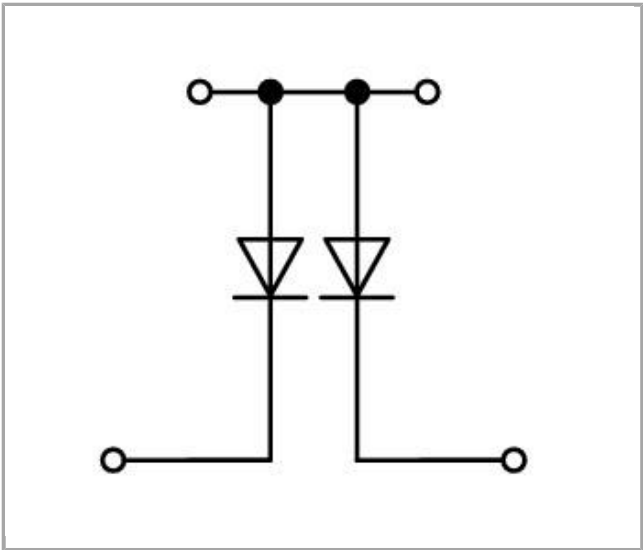
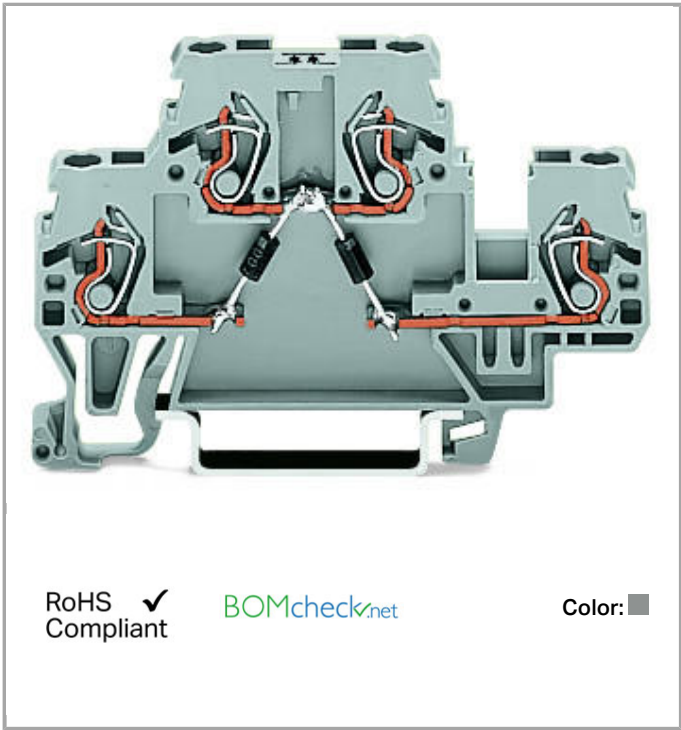


**Data sheet | Item number: 870-541/281-490**

Component terminal block; double-deck; with 2 diodes 1N4007; Top anode;  
for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®



870-541/281-490



**Item description**

**Safety information 1:**  
Max. insulation diameter: 4.4mm

**Data**

**Electrical data**

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

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

|               |       |
|---------------|-------|
| Rated current | 0.5 A |
|---------------|-------|

**Connection data**

|                                 |                                              |
|---------------------------------|----------------------------------------------|
| Connection technology           | CAGE CLAMP®                                  |
| Actuation type                  | Operating tool                               |
| Connectable conductor materials | Copper                                       |
| Solid conductor                 | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG |

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Fine-stranded conductor           | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                      | 6 ... 7 mm / 0.24 ... 0.28 inch            |
| Total number of connection points | 4                                          |
| Total number of potentials        | 1                                          |
| Number of levels                  | 2                                          |
| Type of wiring                    | Front-entry wiring                         |

### Geometrical Data

|                                       |                    |
|---------------------------------------|--------------------|
| Width                                 | 5 mm / 0.197 inch  |
| Height from upper-edge of DIN-35 rail | 40 mm / 1.575 inch |
| Depth                                 | 70 mm / 2.756 inch |

### Mechanical data

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

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.192 MJ             |
| Weight              | 9.8 g                |

### Commercial data

|                    |                                           |
|--------------------|-------------------------------------------|
| Product Group      | 16 (Rail Mounted Terminal Block with CCC) |
| Country of origin  | DE                                        |
| GTIN               | 4045454198619                             |
| Customs Tariff No. | 85369010000                               |

### Compatible products

#### assembling



Item no.: 209-106  
Mounting carrier; for isolated mounting on DIN 35 rails

209-106



**Item no.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5

249-116



**Item no.: 249-117**  
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5

249-117

## tools



**Item no.: 210-657**  
Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short

210-657



**Item no.: 210-658**  
Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled

210-658



**Item no.: 210-720**  
Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

## ferrule



**Item no.: 216-121**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated

216-121



**Item no.: 216-122**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated

216-122



**Item no.: 216-123**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated

216-123



**Item no.: 216-124**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

216-124



**Item no.: 216-131**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

216-131



**Item no.: 216-132**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

216-132



**Item no.: 216-221**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated

216-221



**Item no.: 216-222**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated

216-222



**Item no.: 216-223**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated

216-223



**Item no.: 216-224**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated

216-224

**Item no.: 216-321**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

216-321



**Item no.: 216-322**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated

216-322

## End plate



**Item no.: 870-518**  
End and intermediate plate; 2 mm thick

870-518



**Item no.: 870-519**  
End and intermediate plate; 2 mm thick

870-519

## Protective Warning Marker

**Item no.: 280-405**

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

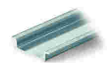
280-405

## Carrier rail

**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

210-112

**Item no.: 210-113**

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

210-113

**Item no.: 210-114**

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

210-114

**Item no.: 210-115**

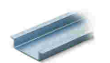
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

210-115

**Item no.: 210-118**

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

210-118

**Item no.: 210-196**

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

210-196

**Item no.: 210-197**

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

210-197

**Item no.: 210-198**

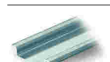
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

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

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

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

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

210-508

## Jumper

**Item no.: 870-402**

Push-in type jumper bar; insulated; 2-way; Nominal current 18 A

870-402

**Item no.: 870-403**

Push-in type jumper bar; insulated; 3-way; Nominal current 18 A

870-403

**Item no.: 870-404**

Push-in type jumper bar; insulated; 4-way; Nominal current 18 A

870-404

**Item no.: 870-405**

Push-in type jumper bar; insulated; 5-way; Nominal current 18 A

870-405

**Item no.: 870-405/011-000**

Ready-made push-in type jumper bar; insulated; 3-way (1-3-5); Nominal current 18 A

870-405

/011-000



**Item no.: 870-406**  
Push-in type jumper bar; insulated; 6-way; Nominal current 18 A

870-406



**Item no.: 870-407**  
Push-in type jumper bar; insulated; 7-way; Nominal current 18 A

870-407

**Item no.: 870-407/011-000**  
Ready-made push-in type jumper bar; insulated; 3-way (1-3-5); Nominal current 18 A

/011-000

870-407



**Item no.: 870-408**  
Push-in type jumper bar; insulated; 8-way; Nominal current 18 A

870-408



**Item no.: 870-409**  
Push-in type jumper bar; insulated; 9-way; Nominal current 18 A

870-409

**Item no.: 870-409/011-000**  
Ready-made push-in type jumper bar; insulated; 3-way (1-3-5); Nominal current 18 A

/011-000

870-409

**Item no.: 870-410**  
Push-in type jumper bar; insulated; 10-way; Nominal current 18 A

870-410



**Item no.: 870-433**  
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 18 A

870-433



**Item no.: 870-434**  
Push-in type jumper bar; insulated; from 1 to 4; Nominal current 18 A

870-434



**Item no.: 870-435**  
Push-in type jumper bar; insulated; from 1 to 5; Nominal current 18 A

870-435



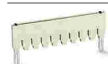
**Item no.: 870-436**  
Push-in type jumper bar; insulated; from 1 to 6; Nominal current 18 A

870-436



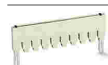
**Item no.: 870-437**  
Push-in type jumper bar; insulated; from 1 to 7; Nominal current 18 A

870-437



**Item no.: 870-438**  
Push-in type jumper bar; insulated; from 1 to 8; Nominal current 18 A

870-438



**Item no.: 870-439**  
Push-in type jumper bar; insulated; from 1 to 9; Nominal current 18 A

870-439

**Item no.: 870-440**  
Push-in type jumper bar; insulated; from 1 to 10; Nominal current 18 A

870-440

#### Marking accessories



**Item no.: 2009-115**  
WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115



**Item no.: 2009-115/000-002**  
WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

/000-002

2009-115



**Item no.: 2009-115/000-006**  
WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

/000-006

2009-115

|                                                                                    |                                                                                                                               |          |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|   | <b>Item no.: 2009-115/000-007</b><br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type      | /000-007 | 2009-115 |
|   | <b>Item no.: 2009-115/000-012</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type       | /000-012 | 2009-115 |
|   | <b>Item no.: 2009-115/000-017</b><br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type      | /000-017 | 2009-115 |
|   | <b>Item no.: 2009-115/000-023</b><br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type      | /000-023 | 2009-115 |
|   | <b>Item no.: 2009-115/000-024</b><br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type       | /000-024 | 2009-115 |
|    | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         |          | 2009-145 |
|    | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-002 | 2009-145 |
|  | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-005 | 2009-145 |
|  | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-006 | 2009-145 |
|  | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-007 | 2009-145 |
|  | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-012 | 2009-145 |
|  | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | /000-023 | 2009-145 |
|  | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | /000-024 | 2009-145 |
|  | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card  |          | 248-501  |
|  | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /000-002 | 248-501  |

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-005

248-501

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-006

248-501

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-007

248-501

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-012

248-501

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-017

248-501

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-023

248-501

**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-024

248-501

**Item no.: 709-177**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type

709-177

**Item no.: 709-178**

Marking strips; on reel; 7.5 mm wide; not stretchable; plain; snap-on type

709-178

**Item no.: 709-196**

Marking strips; for laser printer

709-196

**Item no.: 709-198**

Marking strips

709-198

**Item no.: 793-501**

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

793-501

**Item no.: 793-501/000-002**

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

/000-002

793-501

**Item no.: 793-501/000-005**

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

/000-005

793-501

**Item no.: 793-501/000-006**

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

/000-006

793-501

**Item no.: 793-501/000-007**

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

/000-007

793-501

**Item no.: 793-501/000-012**

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

/000-012

793-501

**Item no.: 793-501/000-017**

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

/000-017

793-501

**Item no.: 793-501/000-023**

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

/000-023

793-501

**Item no.: 793-501/000-024**

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

/000-024

793-501

**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

793-5501

**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

/000-002

793-5501

**Item no.: 793-5501/000-005**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-005

793-5501

**Item no.: 793-5501/000-006**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-006

793-5501

**Item no.: 793-5501/000-007**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-007

793-5501

**Item no.: 793-5501/000-012**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-012

793-5501

**Item no.: 793-5501/000-017**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-017

793-5501

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

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-023

793-5501

**Item no.: 793-5501/000-024**

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type

/000-024

793-5501

## Downloads

## Documentation

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