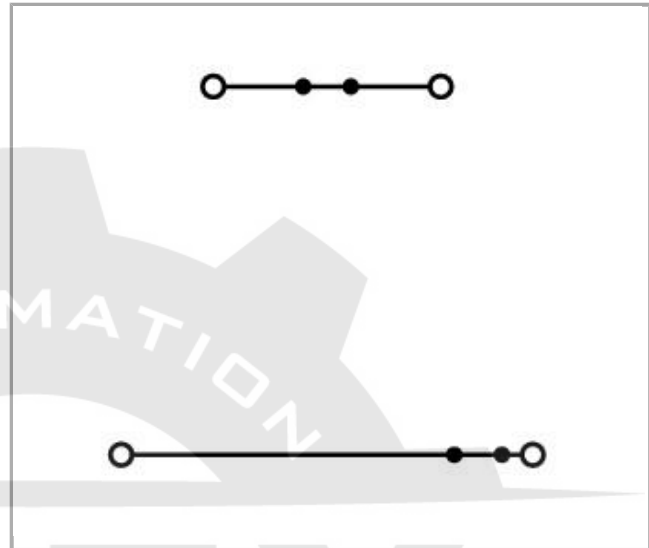
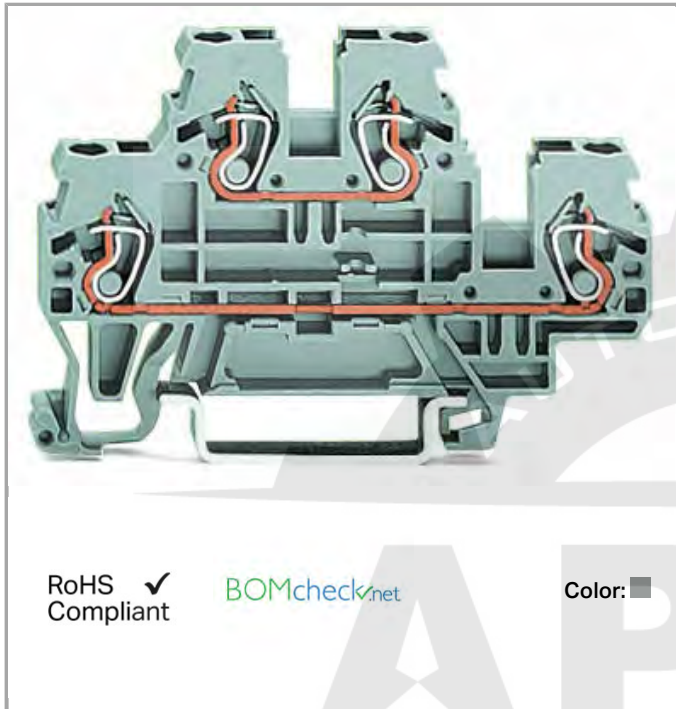


## Data sheet | Item number: 870-503

Double-deck terminal block; Through/through terminal block; L/N; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; CAGE CLAMP®



870-503



### Item description

#### Safety information 1:

Max. insulation diameter: 4.4mm

### Data

#### Electrical data

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

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 500 V |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 24 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        | 2                               |
| 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  |
| Potential marking | L/N          |
| Marking level     | Side marking |

## Material Data

|           |          |
|-----------|----------|
| Color     | gray     |
| Fire load | 0.168 MJ |
| Weight    | 10.068 g |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4044918630894 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL<br>7468   |
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 2189801.01       |

### Ship Approvals

Certificate

| Logo                                                                              | Approval                                                | Additional Approval Text | name                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|--------------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | -                        | 14-<br>HG1293677-<br>PDA |
|  | <b>BV</b><br>Bureau Veritas S.A.                        | EN 60947                 | 07436/E0 BV              |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2               |
|  | <b>LR</b><br>Lloyds Register                            | EN 60947                 | 91/20112<br>(E9)         |

#### UL-Approvals

| Logo                                                                               | Approval                                      | Additional Approval Text | Certificate name    |
|------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------|---------------------|
|  | <b>cURus</b><br>UL International Germany GmbH | UL 1059                  | 20160928-<br>E45172 |

#### Compatible products

#### assembling

|                                                                                    |                                                                                               |         |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 209-106</b><br>Mounting carrier; for isolated mounting on DIN 35 rails           | 209-106 |
|  | <b>Item no.: 249-116</b><br>Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5  | 249-116 |
|  | <b>Item no.: 249-117</b><br>Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5 | 249-117 |

#### 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**

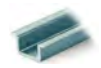
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

210-114

**Item no.: 210-115**

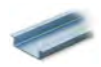
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

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.: 210-504**

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

**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<br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated                                                                    | 216-223           |
|    | Item no.: 216-224<br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated                                                                  | 216-224           |
|                                                                                   | Item no.: 216-321<br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated                                                                 | 216-321           |
|    | Item no.: 216-322<br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated                                                                 | 216-322           |
| <b>General accessories</b>                                                        |                                                                                                                                                           |                   |
|    | Item no.: 870-182<br>Adaptor                                                                                                                              | 870-182           |
|    | Item no.: 870-183<br>Adaptor                                                                                                                              | 870-183           |
|    | Item no.: 870-184<br>Adaptor                                                                                                                              | 870-184           |
|    | Item no.: 870-425<br>Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar | 870-425           |
|    | Item no.: 870-426<br>Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar                                | 870-426           |
|   | Item no.: 870-427<br>Spacer module; modular; bridging commoned terminal blocks                                                                            | 870-427           |
| <b>Marking accessories</b>                                                        |                                                                                                                                                           |                   |
|  | Item no.: 2009-115<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                                 | 2009-115          |
|  | Item no.: 2009-115/000-002<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                         | 2009-115 /000-002 |
|  | Item no.: 2009-115/000-006<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                          | 2009-115 /000-006 |
|  | Item no.: 2009-115/000-007<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                         | 2009-115 /000-007 |
|  | Item no.: 2009-115/000-012<br>WMB-Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                          | 2009-115 /000-012 |
|  | Item no.: 2009-115/000-017<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                         | 2009-115 /000-017 |
|  | Item no.: 2009-115/000-023<br>WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type                                         | 2009-115 /000-023 |

|                                                                                    |                                                                                                                               |          |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|   | <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  |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /000-005 | 248-501  |
|  | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /000-006 | 248-501  |
|  | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | /000-007 | 248-501  |
|  | <b>Item no.: 248-501/000-012</b><br>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**

793-5501

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

**Item no.: 793-5501/000-002**

793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type /000-002

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-005

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-006

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-007

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-012

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-017

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-023

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

793-5501

WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type /000-024

**Insulation stop****Item no.: 280-470**

280-470

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip**Item no.: 280-471**

280-471

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip**Item no.: 280-472**

280-472

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip**tools****Item no.: 210-657**

210-657

Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short

**Item no.: 210-658**

210-658

Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short; angled

**Item no.: 210-720**

210-720

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

**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

#### Jumper



**Item no.: 709-110**  
Wire commoning chain; insulated; 4 connections; 3 x 110 mm

709-110



**Item no.: 709-111**  
Wire commoning chain; insulated; 3 connections; 2 x 120 mm

709-111



**Item no.: 709-112**  
Wire commoning chain; insulated; 3 connections; 2 x 170 mm

709-112



**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

870-407

/011-000



**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

870-409

/011-000

**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

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Subject to changes.