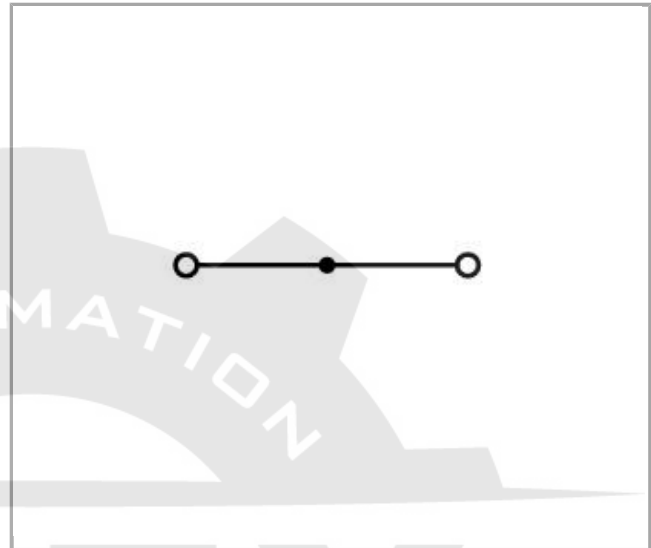
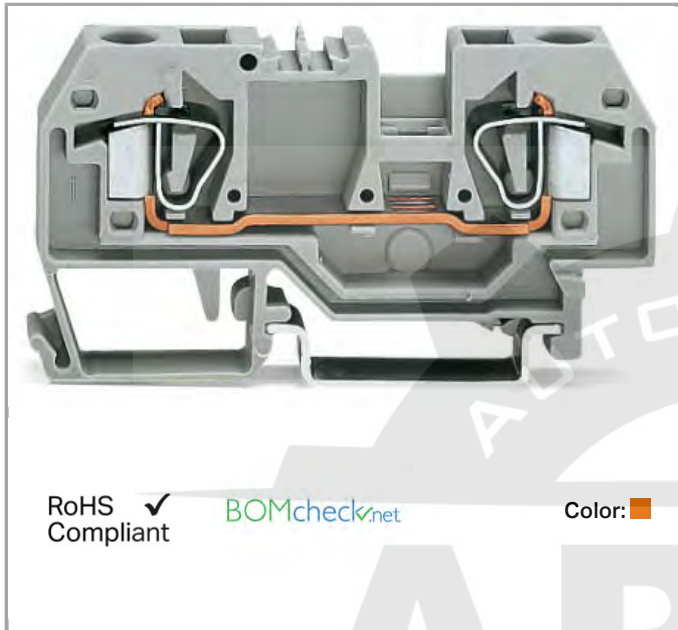


## Data sheet | Item number: 282-902

2-conductor through terminal block; 6 mm<sup>2</sup>; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®



282-902



### Data

#### Electrical data

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

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 800 V |
| Rated impulse voltage (III / 3) | 8 kV  |
| Rated current                   | 41 A  |

#### Connection data

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Connection technology             | CAGE CLAMP®                               |
| Actuation type                    | Operating tool                            |
| Connectable conductor materials   | Copper                                    |
| Solid conductor                   | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| Fine-stranded conductor           | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| Strip length                      | 12 ... 13 mm / 0.47 ... 0.51 inch         |
| Total number of connection points | 2                                         |
| Total number of potentials        | 1                                         |
| Number of levels                  | 1                                         |
| Type of wiring                    | Front-entry wiring                        |

## Geometrical Data

|                                       |                      |
|---------------------------------------|----------------------|
| Width                                 | 8 mm / 0.315 inch    |
| Height from upper-edge of DIN-35 rail | 32.5 mm / 1.28 inch  |
| Depth                                 | 74.5 mm / 2.933 inch |

## Mechanical data

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

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | orange               |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.267 MJ             |
| Weight              | 15.906 g             |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4044918445849 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 2195540.01       |
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-7522      |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1505033          |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1505033          |

### Ship Approvals

| Logo                                                                              | Approval                                                | Additional Approval Text | Certificate name         |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|--------------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | EN 60947                 | 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>UL</b><br>UL International Germany GmbH | UL 1059                  | E45172           |

#### Compatible products

#### General accessories

|                                                                                    |                                                  |         |
|------------------------------------------------------------------------------------|--------------------------------------------------|---------|
|  | <b>Item no.: 209-143</b><br>Group marker carrier | 209-143 |
|  | <b>Item no.: 209-144</b><br>Group marker carrier | 209-144 |
|  | <b>Item no.: 249-105</b><br>Group marker carrier | 249-105 |
|                                                                                    | <b>Item no.: 709-310</b>                         |         |

|                                                                                    |                                                                                                                                              |         |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | B-type test plug module; modular; suitable for all WAGO 282 Series rail-mounted terminal blocks with jumper slots                            | 709-310 |
|    | <b>Item no.: 709-311</b><br>B-type spacer module; modular; e.g., for bridging commoned terminal blocks                                       | 709-311 |
| <b>tools</b>                                                                       |                                                                                                                                              |         |
|    | <b>Item no.: 210-721</b><br>Operating tool with partially insulated shaft; Type 3, blade (5.5 x 0.8) mm                                      | 210-721 |
| <b>End plate</b>                                                                   |                                                                                                                                              |         |
|    | <b>Item no.: 282-325</b><br>End and intermediate plate; 2.5 mm thick                                                                         | 282-325 |
|    | <b>Item no.: 282-326</b><br>Separator plate; 2 mm thick; oversized                                                                           | 282-326 |
|    | <b>Item no.: 282-328</b><br>End and intermediate plate; 2.5 mm thick                                                                         | 282-328 |
|    | <b>Item no.: 282-329</b><br>Separator plate; 2 mm thick; oversized                                                                           | 282-329 |
|    | <b>Item no.: 282-357</b><br>Step-down cover plate; 1 mm thick; in connection with 2-conductor 282-901 terminal blocks                        | 282-357 |
|   | <b>Item no.: 282-367</b><br>Step-down cover plate; 1 mm thick; in connection with 2-conductor 282-901 terminal blocks                        | 282-367 |
| <b>check</b>                                                                       |                                                                                                                                              |         |
|  | <b>Item no.: 209-170</b><br>Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm <sup>2</sup> - 10 mm <sup>2</sup> tbs | 209-170 |
| <b>Carrier rail</b>                                                                |                                                                                                                                              |         |
|  | <b>Item no.: 210-112</b><br>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 |
|  | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715                          | 210-113 |
|  | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715                           | 210-114 |
|  | <b>Item no.: 210-115</b><br>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 |
|  | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715                         | 210-118 |
|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715                       | 210-196 |
|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715                             | 210-197 |
|  | <b>Item no.: 210-198</b><br>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

**protection****Item no.: 282-415**

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

282-415

**ferrule****Item no.: 216-262**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-262

**Item no.: 216-263**

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-263

**Item no.: 216-264**

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-264

**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-266

**Item no.: 216-267**

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-267

**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

2009-115

/000-002

**Item no.: 2009-115/000-006**

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**

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**

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**

WMB-Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-115

/000-017

|                                                                                    |                                                                                                                                                   |          |          |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|   | <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.: 209-185</b><br>Adaptor                                                                                                               |          | 209-185  |
|    | <b>Item no.: 210-612</b><br>Marking strips; for self-marking; plain; Self-adhesive                                                                |          | 210-612  |
|    | <b>Item no.: 793-501</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                                       |          | 793-501  |
|    | <b>Item no.: 793-501/000-002</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-002 | 793-501  |
|    | <b>Item no.: 793-501/000-005</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-005 | 793-501  |
|    | <b>Item no.: 793-501/000-006</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-006 | 793-501  |
|  | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-007 | 793-501  |
|  | <b>Item no.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-012 | 793-501  |
|  | <b>Item no.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-017 | 793-501  |
|  | <b>Item no.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-023 | 793-501  |
|  | <b>Item no.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type                                               | /000-024 | 793-501  |
|  | <b>Item no.: 793-5501</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type         |          | 793-5501 |
|  | <b>Item no.: 793-5501/000-002</b><br>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 |
|  | <b>Item no.: 793-5501/000-005</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                                       | /000-005 | 793-5501 |

|                                                                                    |                                                                                                                                        |          |          |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|    | <b>Item no.: 793-5501/000-006</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-006 | 793-5501 |
|    | <b>Item no.: 793-5501/000-007</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-007 | 793-5501 |
|    | <b>Item no.: 793-5501/000-012</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-012 | 793-5501 |
|    | <b>Item no.: 793-5501/000-014</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-014 | 793-5501 |
|    | <b>Item no.: 793-5501/000-017</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-017 | 793-5501 |
|    | <b>Item no.: 793-5501/000-023</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-023 | 793-5501 |
|   | <b>Item no.: 793-5501/000-024</b><br>WMB marking card; as card; stretchable 5 - 5.2 mm; plain; snap-on type                            | /000-024 | 793-5501 |
| <b>Jumper</b>                                                                      |                                                                                                                                        |          |          |
|  | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; 50 connections                                                            |          | 210-103  |
|  | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; 50 connections                                                            |          | 210-123  |
|  | <b>Item no.: 282-402</b><br>Adjacent jumper; insulated; Nominal current 41 A                                                           |          | 282-402  |
|  | <b>Item no.: 282-409</b><br>Alternate jumper; insulated; Nominal current 41 A                                                          |          | 282-409  |
|  | <b>Item no.: 282-422</b><br>Adjacent jumper; insulated; Nominal current 41 A                                                           |          | 282-422  |
|  | <b>Item no.: 282-424</b><br>Adjacent jumper; insulated; Nominal current 41 A                                                           |          | 282-424  |
|  | <b>Item no.: 284-413</b><br>Step-down jumper; insulated; from 10/6 mm <sup>2</sup> to 6/4 mm <sup>2</sup> ; Nominal current 30 A       |          | 284-413  |
|  | <b>Item no.: 284-414</b><br>Step-down jumper; insulated; from 10/6 mm <sup>2</sup> to 4/2.5/1.5 mm <sup>2</sup> ; Nominal current 15 A |          | 284-414  |
|  | <b>Item no.: 709-110</b><br>Wire commoning chain; insulated; 4 connections; 3 x 110 mm                                                 |          | 709-110  |
|  | <b>Item no.: 709-111</b><br>Wire commoning chain; insulated; 3 connections; 2 x 120 mm                                                 |          | 709-111  |



Item no.: 709-112

Wire commencing chain; insulated; 3 connections; 2 x 170 mm

709-112

## assembling



Item no.: 209-106

Mounting carrier; for isolated mounting on DIN 35 rails

209-106



Item no.: 709-153

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

709-153

## Downloads

## Documentation

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## CAD data

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