



## Item description

According to EN 61984, pluggable connectors without current interrupting capacity shall not be mated and unmated when live or under load.

## Data

### Electrical data

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

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 500 V |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 32 A  |

### Connection data

|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Connection technology             | CAGE CLAMP®                                |
| Actuation type                    | Operating tool                             |
| Connectable conductor materials   | Copper                                     |
| Nominal cross section             | 4 mm <sup>2</sup>                          |
| Solid conductor                   | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor           | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                      | 8 ... 9 mm / 0.31 ... 0.35 inch            |
| No. of poles                      | 5                                          |
| Total number of connection points | 5                                          |
| Total number of potentials        | 5                                          |
| Type of wiring                    | Front-entry wiring                         |

## Geometrical Data

|              |                      |
|--------------|----------------------|
| Width        | 40.6 mm / 1.598 inch |
| Height       | 45.2 mm / 1.78 inch  |
| Depth        | 18.3 mm / 0.72 inch  |
| Module width | 5 mm / 0.197 inch    |

## Mechanical data

|               |              |
|---------------|--------------|
| Marking level | Side marking |
|---------------|--------------|

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductors          |

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.316 MJ             |
| Weight              | 19.199 g             |

## Commercial data

|                    |                   |
|--------------------|-------------------|
| Product Group      | 18 (X-COM-System) |
| Country of origin  | DE                |
| GTIN               | 4044918471503     |
| Customs Tariff No. | 85366990990       |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-7626      |
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2190419.02       |
|                                                                                    | CCA<br>DEKRA Certification B.V. | IEC 61984                | NL-47799         |
|                                                                                    | CSA                             | C22.2 No. 158            | 1101144          |



DEKRA Certification B.V.



KEMA/KEUR

DEKRA Certification B.V.

EN 60947

2190419.01

## Ship Approvals

| Logo                                                                             | Approval                                  | Additional Approval Text | Certificate name         |
|----------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping | EN 60947                 | 14-<br>HG1293677-<br>PDA |

## UL-Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|   | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Compatible products

### Locking lever

|                                                                                    |                                           |         |
|------------------------------------------------------------------------------------|-------------------------------------------|---------|
|  | <b>Item no.: 769-428</b><br>Locking lever | 769-428 |
|  | <b>Item no.: 769-429</b><br>Locking lever | 769-429 |
|  | <b>Item no.: 769-430</b><br>Locking lever | 769-430 |



**Item no.: 769-431**  
Locking lever

769-431

## General accessories



**Item no.: 769-436**  
Jumper cover; for 1-conductor female plugs; for 5 poles

769-436

## Strain relief plate



**Item no.: 769-1605**  
Strain relief housing

769-1605



**Item no.: 769-412**  
Strain relief plate

769-412

## ferrule



**Item no.: 216-101**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated

216-101



**Item no.: 216-102**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated

216-102



**Item no.: 216-103**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated

216-103



**Item no.: 216-104**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

216-104



**Item no.: 216-201**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated

216-201



**Item no.: 216-202**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated

216-202



**Item no.: 216-203**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated

216-203



**Item no.: 216-204**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated

216-204



**Item no.: 216-206**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated

216-206

**Item no.: 216-301**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

216-301



**Item no.: 216-302**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated

216-302

## Insulation stop



**Item no.: 769-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip

769-470



**Item no.: 769-471**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip

769-471



**Item no.: 769-472**  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip

769-472

## Marking accessories

|                                                                                    |                                                                                                                               |          |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|    | <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.: 210-805</b><br>Labels; for Smart Printer                                                                         |          | 210-805  |
|  | <b>Item no.: 210-805/000-002</b><br>Labels; for Smart Printer                                                                 | /000-002 | 210-805  |
|  | <b>Item no.: 210-831</b><br>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive                                        |          | 210-831  |
|  | <b>Item no.: 210-832</b><br>Marking strips; on reel; 3 mm wide; plain; Self-adhesive                                          |          | 210-832  |
|  | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive                                          |          | 210-834  |
|  | <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  |

**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

**Jumper****Item no.: 769-402**

Miniature adjacent jumper; insulated; suitable for 1-conductor female plugs

769-402

**Protective Warning Marker****Item no.: 280-415**

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

280-415

**check****Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable

210-136

**Item no.: 210-137**

Test plug; 2.3 mm Ø; with 500 mm cable

210-137

**Male plug****Item no.: 769-605**1-conductor male connector; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole

769-605

**Item no.: 769-605/001-000**1-conductor male connector; Snap-in mounting feet; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole

/001-000

769-605

**Item no.: 769-605/002-000**1-conductor male connector; clamping collar; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole

/002-000

769-605

**Item no.: 769-605/004-000**1-conductor male connector; Feedthrough flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole

/004-000

769-605

**Item no.: 769-605/005-000**1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 5-pole

/005-000

769-605

**Item no.: 769-605/006-000**

1-conductor male connector; Snap-in flange; 4 mm²; Pin spacing 5 mm; 5-pole

/006-000

769-605

**Item no.: 769-635**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 5-pole

769-635

**Item no.: 769-635/000-036**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 5-pole

/000-036

769-635

**Item no.: 769-635/003-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 5-pole

/003-000

769-635

**Item no.: 769-635/003-036**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 5-pole

/003-036

769-635

**Item no.: 769-635/004-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 5-pole

/004-000

769-635

**Item no.: 769-635/007-000**

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 5-pole

/007-000

769-635

**Item no.: 769-665**

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 5-pole

769-665

**Item no.: 769-665/003-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 5-pole

/003-000

769-665

**Item no.: 769-665/004-000**

THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 5-pole

/004-000

769-665

**Downloads****Documentation****Bid Text**

769-105/021-000

doc  
25.6 kB

Download

**CAD/CAE - Smart Data****CAD data**

3D Download 769-105/021-000

URL

Download

## Product family

### X-COM

[Learn more about the product family.](#)

[Show all products from the family](#)



Subject to changes.

---