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## 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                   | 13.5 A |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A  |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 15 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 15 A  |

### Connection data

|                       |                           |
|-----------------------|---------------------------|
| Connection technology | Push-in CAGE CLAMP®       |
| Actuation type        | Open Tool Slot<br>Push-in |



|                                      |                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connectable conductor materials      | Copper                                                                                                                            |
| Nominal cross section                | 1 mm <sup>2</sup>                                                                                                                 |
| Solid conductor                      | 0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG                                                                                      |
| Solid conductor, push-in termination | 0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG                                                                                       |
| Fine-stranded conductor              | 0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG                                                                                      |
| Strip length                         | 9 ... 11 mm / 0.35 ... 0.43 inch                                                                                                  |
| Note (conductor cross-section)       | Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination. |
| No. of poles                         | 10                                                                                                                                |
| Total number of connection points    | 10                                                                                                                                |
| Total number of potentials           | 10                                                                                                                                |
| Type of wiring                       | Front-entry wiring                                                                                                                |

### Geometrical Data

|              |                      |
|--------------|----------------------|
| Width        | 35.7 mm / 1.406 inch |
| Height       | 40.5 mm / 1.594 inch |
| Depth        | 22.4 mm / 0.882 inch |
| Module width | 3.5 mm / 0.138 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, green-yellow   |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.407 MJ             |
| Weight              | 22.77 g              |

### Commercial data

|                    |                   |
|--------------------|-------------------|
| Product Group      | 18 (X-COM-System) |
| Country of origin  | DE                |
| GTIN               | 4050821026877     |
| Customs Tariff No. | 85366990990       |

### Approvals / Certificates

#### Country specific Approvals

| Logo                                                                             | Approval                        | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2516073          |

## Compatible products

### Marking accessories

|                                                                                     |                                                                                           |          |          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------|----------|
|     | Item no.: 2009-110<br>Marking strips; on reel; not stretchable; plain; snap-on type       |          | 2009-110 |
|    | Item no.: 2009-113<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type         |          | 2009-113 |
|   | Item no.: 2009-113/000-002<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-002 | 2009-113 |
|  | Item no.: 2009-113/000-005<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-005 | 2009-113 |
|  | Item no.: 2009-113/000-006<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-006 | 2009-113 |
|  | Item no.: 2009-113/000-007<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-007 | 2009-113 |
|  | Item no.: 2009-113/000-012<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-012 | 2009-113 |
|  | Item no.: 2009-113/000-017<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-017 | 2009-113 |
|  | Item no.: 2009-113/000-023<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-023 | 2009-113 |
|  | Item no.: 2009-113/000-024<br>WMB-Inline; for Smart Printer; on reel; plain; snap-on type | /000-024 | 2009-113 |

Item no.: 210-831

|                                                                                    |                                                                                                                                                                                      |          |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|    | 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.: 210-833</b><br>Marking strips; on reel; 6 mm wide; plain; Self-adhesive                                                                                                 | 210-833  |
|    | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive                                                                                                 | 210-834  |
|    | <b>Item no.: 793-3501</b><br>WMB marking card; as card; plain; snap-on type                                                                                                          | 793-3501 |
| <b>Locking lever</b>                                                               |                                                                                                                                                                                      |          |
|    | <b>Item no.: 2022-141</b><br>Locking lever; can be snapped on 1-conductor female plugs; for 1-pole female plugs                                                                      | 2022-141 |
|    | <b>Item no.: 2022-142</b><br>Locking lever; can be snapped on 1-conductor female plugs; for 1-pole female plugs                                                                      | 2022-142 |
|    | <b>Item no.: 2022-151</b><br>Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more                                                                             | 2022-151 |
|    | <b>Item no.: 2022-152</b><br>Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more                                                                             | 2022-152 |
| <b>ferrule</b>                                                                     |                                                                                                                                                                                      |          |
|   | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90  | 216-241  |
|   | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | 216-242  |
|   | <b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90    | 216-243  |
| <b>tools</b>                                                                       |                                                                                                                                                                                      |          |
|  | <b>Item no.: 210-647</b><br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short                                                                               | 210-647  |
|  | <b>Item no.: 210-648</b><br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled                                                                       | 210-648  |
|  | <b>Item no.: 210-719</b><br>Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm                                                                              | 210-719  |
| <b>Strain relief plate</b>                                                         |                                                                                                                                                                                      |          |
|  | <b>Item no.: 734-326</b><br>Strain relief plate                                                                                                                                      | 734-326  |
| <b>Protective Warning Marker</b>                                                   |                                                                                                                                                                                      |          |
|  | <b>Item no.: 2000-115</b><br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks                                                                       | 2000-115 |



## Downloads

## Documentation

## Bid Text

|                  |                 |          |
|------------------|-----------------|----------|
| 2020-110/000-036 | docx<br>15.5 kB | Download |
|------------------|-----------------|----------|

## Additional Information

|               |          |
|---------------|----------|
| pdf<br>2.1 MB | Download |
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## CAD/CAE - Smart Data

## CAD data

|                              |     |          |
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| 3D Download 2020-110/000-036 | URL | Download |
|------------------------------|-----|----------|

## Product family



X-COM S-Mini

Show all products from the family

Subject to changes.