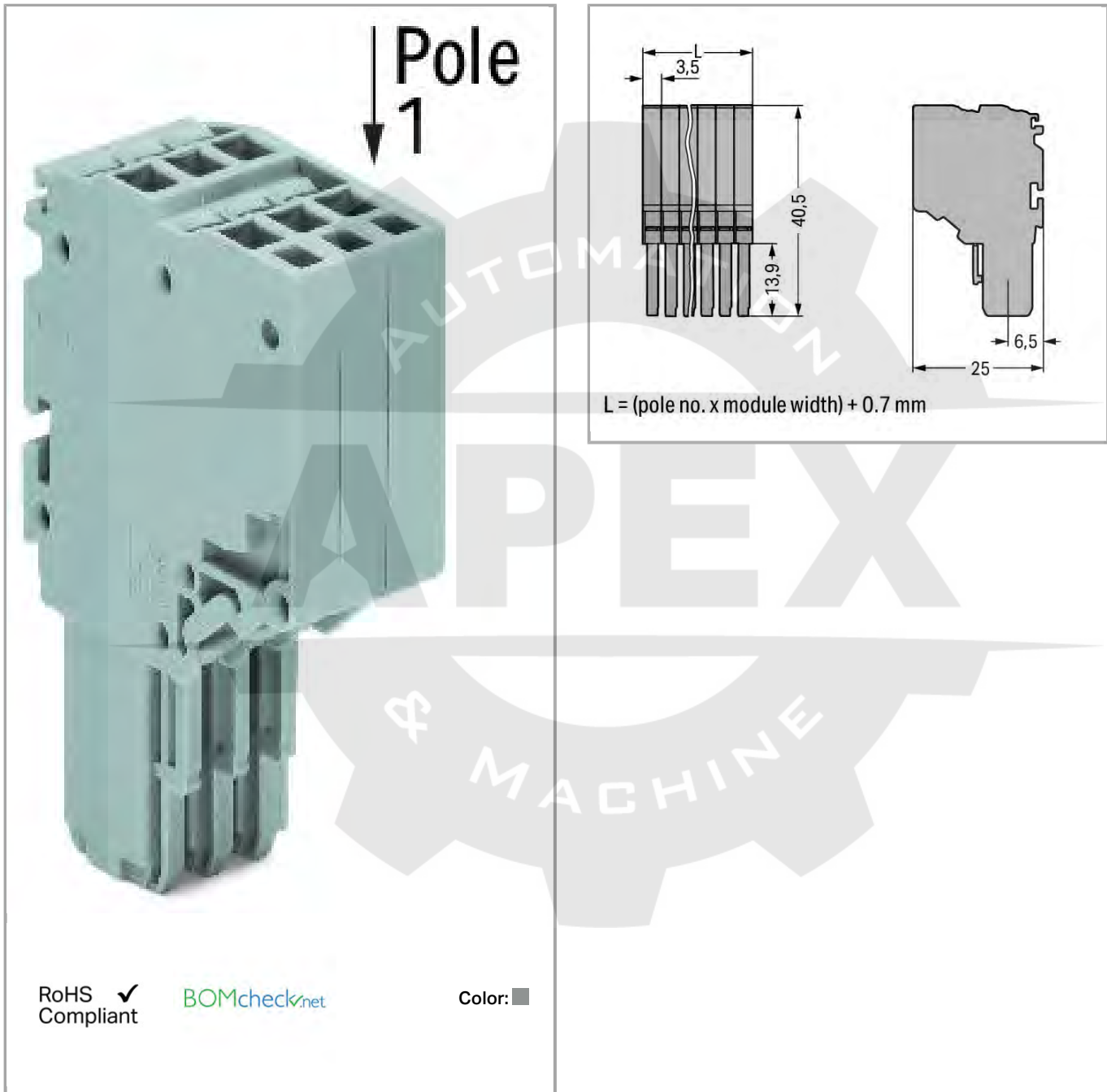




### Item description

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  |

#### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 10 A  |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 10 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 mm²                                                                                                                             |
| Solid conductor                      | 0.14 ... 1.5 mm² / 24 ... 16 AWG                                                                                                  |
| Solid conductor, push-in termination | 0.5 ... 1.5 mm² / 20 ... 16 AWG                                                                                                   |
| Fine-stranded conductor              | 0.14 ... 1.5 mm² / 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                         | 8                                                                                                                                 |
| Total number of connection points    | 16                                                                                                                                |
| Total number of potentials           | 8                                                                                                                                 |
| Type of wiring                       | Front-entry wiring                                                                                                                |

## Geometrical Data

|              |                      |
|--------------|----------------------|
| Width        | 28.7 mm / 1.13 inch  |
| Height       | 40.5 mm / 1.594 inch |
| Depth        | 25 mm / 0.984 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                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.368 MJ             |
| Weight              | 22.16 g              |

## Commercial data

|                    |                   |
|--------------------|-------------------|
| Product Group      | 18 (X-COM-System) |
| Country of origin  | DE                |
| GTIN               | 4045454855307     |
| 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<br>7617   |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2516073          |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2516073          |

## 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                 | 38586/A0 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           |
|  | <b>UL</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Compatible products

### Locking lever

|                                                                                    |                                                                                                          |          |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------|
|  | <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 |

### Protective Warning Marker

**Item no.: 2000-115**

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

2000-115

**Strain relief plate****Item no.: 734-329**

Strain relief plate

734-329

**tools****Item no.: 210-647**

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short

210-647

**Item no.: 210-648**

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled

210-648

**Item no.: 210-719**

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

**Marking accessories****Item no.: 2009-113**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

**Item no.: 2009-113/000-002**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-002

**Item no.: 2009-113/000-005**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-005

**Item no.: 2009-113/000-006**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-006

**Item no.: 2009-113/000-007**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-007

**Item no.: 2009-113/000-012**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-012

**Item no.: 2009-113/000-017**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-017

**Item no.: 2009-113/000-023**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-023

**Item no.: 2009-113/000-024**

WMB-Inline; for Smart Printer; on reel; plain; snap-on type

2009-113

/000-024

**Item no.: 793-3501**

WMB marking card; as card; plain; snap-on type

793-3501

**ferrule****Item no.: 216-241**

|                                                                                 |                                                                                                                                                                          |         |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | Ferrule; Sleeve for 0.5 mm² / 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 mm² / 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 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90    | 216-243 |

## Downloads

## Documentation

## Bid Text

|          |                 |          |
|----------|-----------------|----------|
| 2020-208 | docx<br>15.5 kB | Download |
|----------|-----------------|----------|

## Additional Information

|  |               |          |
|--|---------------|----------|
|  | pdf<br>2.1 MB | Download |
|--|---------------|----------|

## CAD/CAE - Smart Data

## CAD data

|                      |     |          |
|----------------------|-----|----------|
| 3D Download 2020-208 | URL | Download |
|----------------------|-----|----------|

## Product family

**X-COM S-Mini**  
[Show all products from the family](#)

Subject to changes.