

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 Push-in |
| Connectable conductor materials | Copper |
| Nominal cross section | 1 mm ² |
| Solid conductor | 0.14 ... 1.5 mm ² / 24 ... 16 AWG |
| Solid conductor, push-in termination | 0.5 ... 1.5 mm ² / 20 ... 16 AWG |
| Fine-stranded conductor | 0.14 ... 1.5 mm ² / 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 | 9 |
| Total number of connection points | 18 |
| Total number of potentials | 9 |
| Type of wiring | Front-entry wiring |

Geometrical Data

| | |
|--------------|----------------------|
| Width | 32.2 mm / 1.268 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 | 0.412 MJ |
| Weight | 24.68 g |

Commercial data





| | |
|--------------------|-------------------|
| Product Group | 18 (X-COM-System) |
| Country of origin | DE |
| GTIN | 4045454855314 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates



Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7617 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 2516073 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 2516073 |



Ship Approvals
















| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 14- HG1293677- PDA |
|  | BV Bureau Veritas S.A. | EN 60947 | 38586/A0 BV |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
|  | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

UL-Approvals




| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UL UL International Germany GmbH | UL 1059 | E45172 |
|  | UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

Compatible products

| ferrule | | | |
|---|--|--|---------|
|  | Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | | 216-241 |
|  | Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 | | 216-242 |

| | | |
|--|---|----------------------|
|  | <p>Item no.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90</p> | 216-243 |
| Strain relief plate | | |
|  | <p>Item no.: 734-329 Strain relief plate</p> | 734-329 |
| Locking lever | | |
|  | <p>Item no.: 2022-151 Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more</p> | 2022-151 |
|  | <p>Item no.: 2022-152 Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more</p> | 2022-152 |
| tools | | |
|  | <p>Item no.: 210-647 Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short</p> | 210-647 |
|  | <p>Item no.: 210-648 Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled</p> | 210-648 |
|  | <p>Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm</p> | 210-719 |
| Protective Warning Marker | | |
|  | <p>Item no.: 2000-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks</p> | 2000-115 |
| Marking accessories | | |
|  | <p>Item no.: 2009-113 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 |
|  | <p>Item no.: 2009-113/000-002 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-UU2 |
|  | <p>Item no.: 2009-113/000-005 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-UU5 |
|  | <p>Item no.: 2009-113/000-006 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-UU6 |
|  | <p>Item no.: 2009-113/000-007 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-UU7 |
|  | <p>Item no.: 2009-113/000-012 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-U12 |
|  | <p>Item no.: 2009-113/000-017 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | 2009-113 /UUU-U17 |



| | | |
|---|---|---|
|  | <p>Item no.: 2009-113/000-023 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | <p>2009-113 /000-023</p> |
|  | <p>Item no.: 2009-113/000-024 WMB-Inline; for Smart Printer; on reel; plain; snap-on type</p> | <p>2009-113 /000-024</p> |
|  | <p>Item no.: 793-3501 WMB marking card; as card; plain; snap-on type</p> | <p>793-3501</p> |

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 Documentation**

Bid Text

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Additional Information

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CAD/CAE - Smart Data

CAD data

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Product family

X-COM S-Mini
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Subject to changes.