

Data sheet | Item number: 2020-212/000-038

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; 1,50 mm²; gray/blue/green-yellow



www.wago.com/2020-212/000-038



**Data
Notes**

Safety information

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

Safety information 2

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Electrical data

Ratings per IEC/EN

Ratings per

IEC/EN 61984

Subject to changes. Please also observe the further product documentation!

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| | |
|-------------------------------|--|
| Nominal voltage (III/3) | 500 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 13.5 A |
| Legend (ratings) | (III / 3) \triangleq Overvoltage category III / Pollution degree 3 |

Ratings per UL

| | |
|--------------------------------|---------|
| 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 |

Ratings per CSA

| | |
|---------------------------------|-----------------|
| Approvals per | CSA 22.2 No 158 |
| 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 |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A |

Connection data

| | |
|----------------------------|----|
| Connection points | 24 |
| Total number of potentials | 12 |

Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP [®] |
| Actuation type | Operating tool |
| 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 |
| Fine-stranded conductor; with insulated ferrule | 0.14 ... 0.75 mm ² / 24 ... 18 AWG |

Subject to changes. Please also observe the further product documentation!



| | |
|--|---|
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 0.75 mm ² / 20 ... 18 AWG |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Strip length | 9 ... 11 mm / 0.35 ... 0.43 inches |
| Pole number | 12 |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|--------------|------------------------|
| Width | 42.7 mm / 1.681 inches |
| Height | 40.5 mm / 1.594 inches |
| Depth | 25 mm / 0.984 inches |
| Module width | 3.5 mm / 0.138 inches |

Mechanical Data

| | |
|--------------------------|--------------|
| Variable coding | Yes |
| Marking level | Side marking |
| Anti-rotation protection | Yes |

Plug-in connection

| | |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | No |
| Plugging without loss of pin spacing | No |

Material data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray/blue/green-yellow |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.544 MJ |
| Weight | 33 g |

Environmental requirements

| | |
|------------------------|----------------|
| Processing temperature | -35 ... +85 °C |
|------------------------|----------------|

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Continuous operating temperature

-60 ... +105 °C

Commercial data

| | |
|-----------------------|-------------------|
| Product Group | 18 (X-COM-System) |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 8.0 | EC001284 |
| ETIM 7.0 | EC001284 |
| ECCN | NO DATA |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821222002 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|-------------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7617 |
|  | UL UL International Germany GmbH | UL 1059 | E 45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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Optional accessories

Screwless end stop

Mounting accessories



Item no.: 249-117

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

www.wago.com/249-117

Strain relief

Strain relief plate



Item no.: 734-326

Strain relief plate; for female and male connectors; 35 mm wide; 1 part; gray

www.wago.com/734-326

Tool

Operating tool



Item no.: 210-648

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

www.wago.com/210-648



Item no.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647



Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Ferrule

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; white

www.wago.com/216-241



Item no.: 216-242

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

www.wago.com/216-242



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; red

www.wago.com/216-243

Protective warning marker

Cover



Item no.: 2000-115

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

www.wago.com/2000-115

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Locking levers

Locking system



Item no.: 2022-151
Locking lever; gray

www.wago.com/2022-151

Item no.: 2022-152
Locking lever; orange

www.wago.com/2022-152

Marking accessories

Marker



Item no.: 2009-113
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

www.wago.com/2009-113

Item no.: 793-3501
WMB marking card; as card; plain; snap-on type; white

www.wago.com/793-3501**Downloads****Documentation****Bid Text**

| | | | |
|----------------------------------|-------------|-----------------|----------|
| 2020-212/000-038 X81 - Datei | 2019 Feb 19 | xml 4.1 kB | Download |
| 2020-212/000-038 docx - Datei | 2018 Aug 7 | docx 15.7 kB | Download |

Additional Information

pdf
2.3 MB

CAD/CAE-Data**CAD data**

2D/3D Models 2020-212/000-038

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WSCAD Universe 2020-212/000-038

URL

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ZUKEN Portal 2020-212/000-038

URL

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Subject to changes. Please also observe the further product documentation!

| | | |
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Asset Administration Shell

| | | |
|---|-----|----------|
| Asset Administration Shell 2020-212/000-038 | URL | Download |
|---|-----|----------|

Environmental Product Compliance

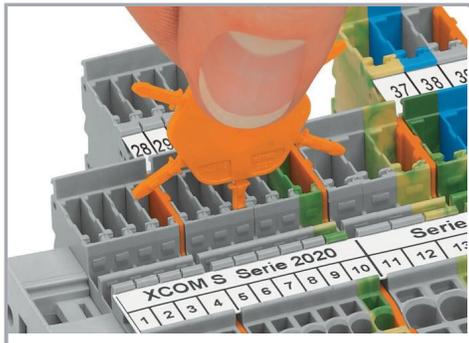
Compliance Search

| | | |
|---|-----|----------|
| Environmental Product Compliance 2020-212/000-038 | URL | Download |
|---|-----|----------|

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;
12-pole; 1,50 mm²; gray/blue/green-yellow

Installation Notes

Coding

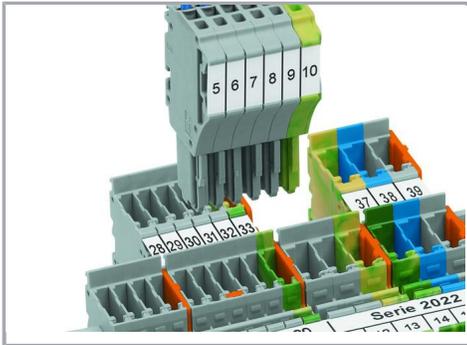


Insert coding pin into the corresponding slot and twist it off.



Coding a female plug: remove coding finger using a suitable tool.

Subject to changes. Please also observe the further product documentation!



Insert coded female plug into X-COM®S-SYSTEM terminal block assembly.

Product family

X-COM S-Mini

[Show all products from the family](#)

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