

Data sheet | Item number: 2020-211

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 11-pole; 1,50 mm²; gray

www.wago.com/2020-211



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

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Do you have any questions about our products?
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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 |
|-------------------------------|---|
| Nominal voltage (III/3) | 500 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 13.5 A |
| Legend (ratings) | (III / 3) ≙ 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 |

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



Connection data

| | |
|----------------------------|----|
| Connection points | 22 |
| Total number of potentials | 11 |

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 |
| 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 | 11 |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|--------------|------------------------|
| Width | 39.2 mm / 1.543 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 |

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



| | |
|--------------------------------------|----|
| Plugging without loss of pin spacing | No |
|--------------------------------------|----|

Material Data

Note (material data)

Information on material specifications can be found here

| | |
|-----------------------------|------------------|
| Color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.5 MJ |
| Weight | 30.3 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| 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 |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4045454855338 |
| 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 | EN 60947 | NTR NL |

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



| | | |
|--|---------|---------|
| DEKRA Certification B.V. | | 7617 |
| CSA DEKRA Certification B.V. | C22.2 | 2516073 |
| 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 | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|--------------------------|
| | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
| | BV Bureau Veritas S.A. | EN 60947 | 38586/B0 BV |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
| | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

Optional accessories

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 |

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 |

Locking levers

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



| 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 |
| 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 |
| 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 |
| Ferrule | | |
| 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; white | www.wago.com/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; gray | www.wago.com/216-242 |
| Item no.: 216-243 | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |

Downloads

Documentation

Bid Text

| | | | |
|--------------------------|--------------|-----------------|----------|
| 2020-211 X81 - Datei | 2019 年2月19 日 | xml 4.0 kB | Download |
| 2020-211 docx - Datei | 2018 年8月7 日 | docx 15.6 kB | Download |

Additional Information

pdf
2.3 MB
Download

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CAD/CAE-Data

CAD data

| | | |
|-----------------------|---------------------|--------------------------|
| 2D/3D Models 2020-211 | URL | Download |
|-----------------------|---------------------|--------------------------|

CAE data

| | | |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 2020-211 | URL | Download |
|----------------------------|---------------------|--------------------------|

| | | |
|-------------------------|---------------------|--------------------------|
| WSCAD Universe 2020-211 | URL | Download |
|-------------------------|---------------------|--------------------------|

| | | |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 2020-211 | URL | Download |
|-----------------------|---------------------|--------------------------|

Environmental Product Compliance

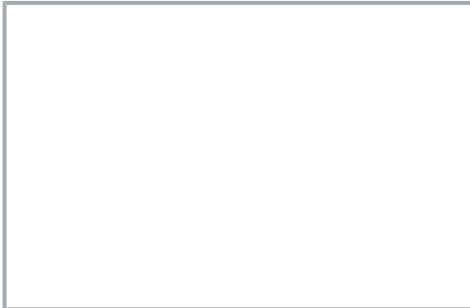
Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 2020-211 | URL | Download |
|---|---------------------|--------------------------|

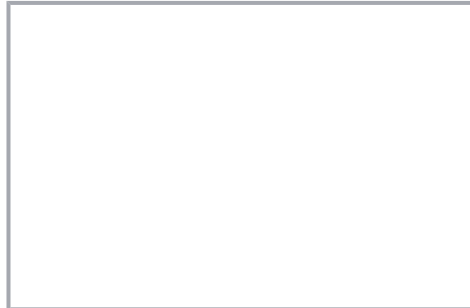
2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;
11-pole; 1,50 mm²; gray

Installation Notes

Coding



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



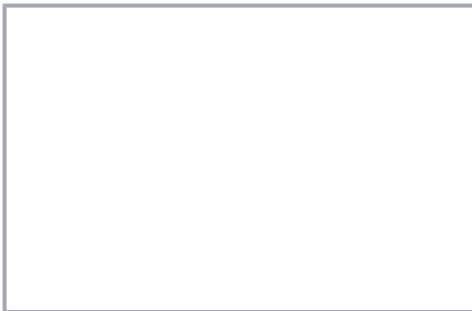
Coding a female plug: remove coding finger using a suitable tool.

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



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

Locking system



Slide the locking lever into position.



Female plugs can be individually locked.

Product family

X-COM S-Mini

[Show all products from the family](#)

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