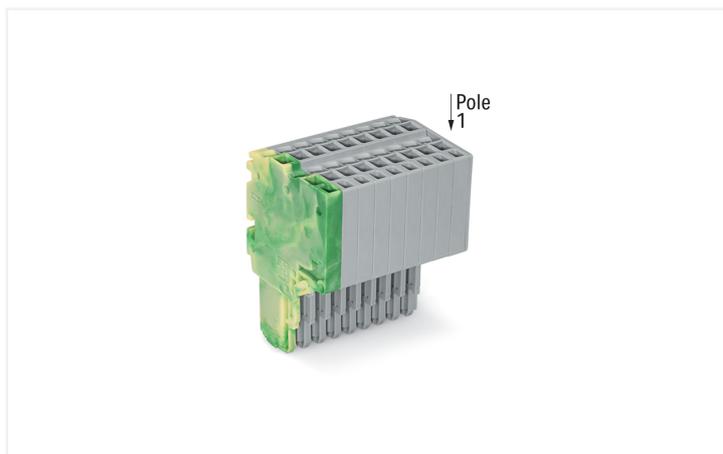


Data Sheet | Item Number: 2020-211/000-037

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

<https://www.wago.com/2020-211/000-037>



Color: green-yellow/gray

Similar to illustration

Female connector, 2020 Series, green-yellow/gray

Our female connector (item number 2020-211/000-037) ensures effortless electrical installations. Ensure that the strip lengths are between 9 and 11 mm when connecting conductors to this female connector. Pluggable rail-mount terminal blocks are hugely popular in switchgear and control systems, for example, in railroad technology. They combine the best of rail-mount terminal blocks and connectors for the perfect solution. Variable wiring systems make pre-assembly easy, which saves both time and money in production, installation, operation, and maintenance. This product incorporates conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be inserted without needing to use any tools—all thanks to its pluggable design. Dimensions: (39.2 x 40.5 x 25) mm (width x height x depth). Depending on the conductor type, this female connector is suitable for conductor cross sections ranging from 0.14 mm² to 1.5 mm².

This female connector/socket is operated with an operating tool.

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 61984 | | | Approvals per | UL 1059 | | |
|---------------------------------|--------------|-----|----|---------------|-----------|-------|-------|
| | III | III | II | | Use group | B | C |
| Overvoltage category | III | III | II | Use group | B | C | D |
| Pollution degree | 3 | 2 | 2 | Rated voltage | 300 V | 300 V | 300 V |
| Nominal voltage | 500 V | - | - | Rated current | 15 A | 15 A | 15 A |
| Rated impulse withstand voltage | 6 kV | - | - | | | | |
| Rated current | 13.5 A | - | - | | | | |

| Approvals per | CSA 22.2 No 158 | | |
|---------------|-----------------|-------|-------|
| | B | C | D |
| Use group | B | C | D |
| Rated voltage | 300 V | 300 V | 300 V |
| Rated current | 10 A | 10 A | 10 A |

| General information | |
|---------------------|--------------------|
| Wiring direction | Front-entry wiring |

Connection Data

| | |
|----------------------------|----|
| Clamping units | 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 |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | green-yellow/gray |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.499 MJ |
| Weight | 30.4 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| Continuous operating temperature | -60 ... +105 °C |

Commercial data

| | |
|-----------------------|-------------------|
| Product Group | 18 (X-COM-System) |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4050821221937 |
| Customs tariff number | 85366990990 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 9.0 | EC001284 |
| ETIM 10.0 | EC001284 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|--|----------|------------------|--|----------|------------------|
| | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7617 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| UL UL International Germany GmbH | UL 1059 | E 45172 | UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

Downloads

Environmental Product Compliance

| | |
|--|---|
| Compliance Search | |
| Environmental Product Compliance 2020-211/000-037 | ↓ |

Documentation

| Bid Text | | | |
|------------------|------------|------------------|--|
| 2020-211/000-037 | 19.02.2019 | xml 4.00 KB | |
| 2020-211/000-037 | 07.08.2018 | docx 15.26 KB | |

CAD/CAE-Data

| CAD data | |
|----------------------------------|--|
| 2D/3D Models 2020-211/000-037 | |

| CAE data | |
|---------------------------------------|--|
| EPLAN Data Portal 2020-211/000-037 | |
| WSCAD Universe 2020-211/000-037 | |
| ZUKEN Portal 2020-211/000-037 | |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 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

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

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

1.1.2 Locking system

1.1.2.1 Locking system



Item No.: 2022-151
 Locking lever; gray

Item No.: 2022-152
 Locking lever; orange

1.1.3 Marking

1.1.3.1 Marker



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

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

1.1.4 Protective warning marker

1.1.4.1 Cover



Item No.: 2000-115

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

1.1.5 Screwless end stop

1.1.5.1 Mounting accessories



Item No.: 249-117

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



Item No.: 249-116

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.6 Strain relief

1.1.6.1 Strain relief plate



Item No.: 734-326

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

1.1.7 Tool

1.1.7.1 Operating tool



Item No.: 210-719

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



Item No.: 210-648

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

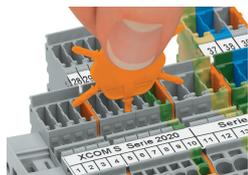


Item No.: 210-647

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

Installation Notes

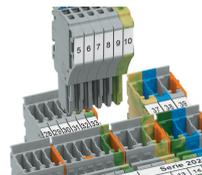
Coding



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



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



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