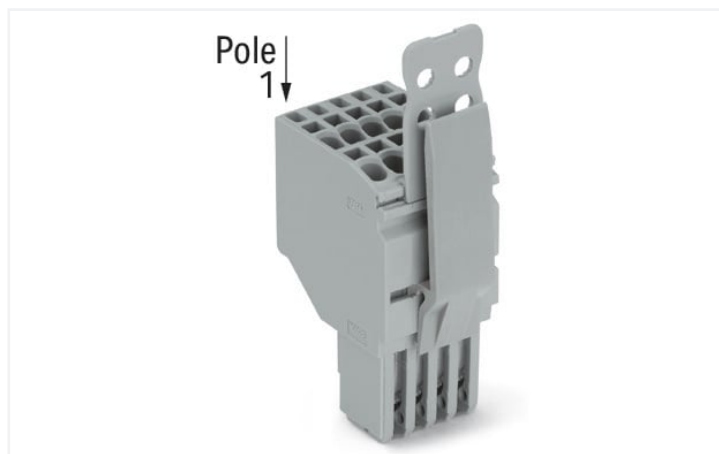
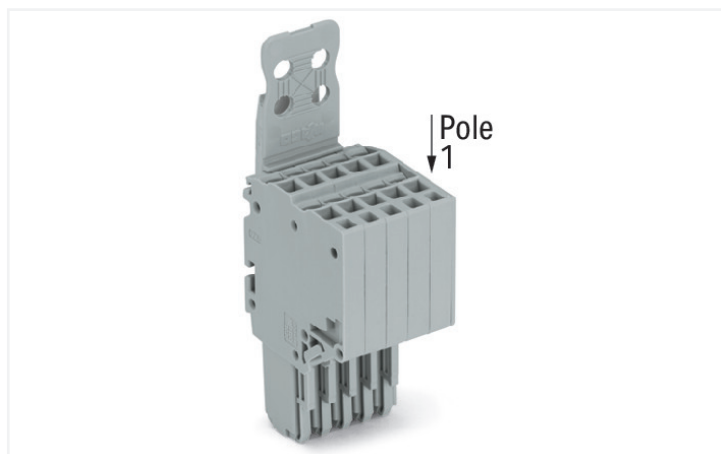


## Data Sheet | Item Number: 2020-205/143-000

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; Centered locking levers; Strain relief plate; 1,50 mm²; gray

<https://www.wago.com/2020-205/143-000>



Color: ■ gray

### 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 |     |    |
|----------------------|--------------|-----|----|
| Overvoltage category | III          | III | II |
| Pollution degree     | 3            | 2   | 2  |
| Nominal voltage      | 500 V        | -   | -  |
| Rated surge voltage  | 6 kV         | -   | -  |
| Rated current        | 13.5 A       | -   | -  |

| Approvals per | UL 1059 |       |       |
|---------------|---------|-------|-------|
| Use group     | B       | C     | D     |
| Rated voltage | 300 V   | 300 V | 300 V |
| Rated current | 15 A    | 15 A  | 15 A  |

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

### Connection data

|                            |    |
|----------------------------|----|
| Connection points          | 10 |
| Total number of potentials | 5  |

| Connection 1                                               |                                   |
|------------------------------------------------------------|-----------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®               |
| Actuation type                                             | Operating tool                    |
| 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  |
| Fine-stranded conductor; with insulated ferrule            | 0.14 ... 0.75 mm² / 24 ... 18 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 0.5 ... 0.75 mm² / 20 ... 18 AWG  |

### Connection 1

|                                |                                                                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 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                    | 5                                                                                                                                 |
| Wiring direction               | Front-entry wiring                                                                                                                |

### Physical data

|              |                        |
|--------------|------------------------|
| Width        | 18.2 mm / 0.717 inches |
| Height       | 59 mm / 2.323 inches   |
| Depth        | 29.8 mm / 1.173 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                      |
| Locking of plug-in connection      | Locking lever           |
| Strain relief                      | Strain relief plate     |

### Material data

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | gray                                                                                                                   |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 0.445 MJ                                                                                                               |
| Weight                      | 15.1 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)              | 50 pcs            |
| Packaging type        | Box               |
| Country of origin     | DE                |
| GTIN                  | 4050821092865     |
| Customs tariff number | 85366990990       |



| 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<br>DEKRA Certification B.V.        | EN 60947 | NTR NL 7617      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| UL<br>UL International Germany<br>GmbH | UL 1059  | E 45172          | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |

Downloads

| Environmental Product Compliance                        |  |
|---------------------------------------------------------|--|
| Compliance Search                                       |  |
| Environmental Product<br>Compliance<br>2020-205/143-000 |  |

Documentation

| Additional Information |                   |  | Bid Text         |            |                      |
|------------------------|-------------------|--|------------------|------------|----------------------|
| Technical Section      | pdf<br>2240.62 KB |  | 2020-205/143-000 | 19.02.2019 | xml<br>4.01 KB<br>   |
|                        |                   |  | 2020-205/143-000 | 07.08.2018 | docx<br>15.30 KB<br> |

CAD/CAE-Data

| CAD data                         |  | CAE data                              |  |
|----------------------------------|--|---------------------------------------|--|
| 2D/3D Models<br>2020-205/143-000 |  | EPLAN Data Portal<br>2020-205/143-000 |  |
|                                  |  | WSCAD Universe<br>2020-205/143-000    |  |
|                                  |  | ZUKEN Portal<br>2020-205/143-000      |  |



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 Marking

1.1.2.1 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

1.1.3 Protective warning marker

1.1.3.1 Cover



Item No.: 2000-115

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

1.1.4 Screwless end stop

1.1.4.1 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

1.1.5 Tool

1.1.5.1 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

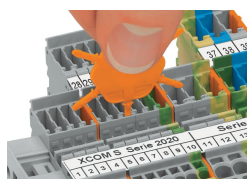


Item No.: 210-647

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

## Installation Notes

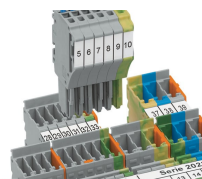
### Coding



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.