

## Data sheet | Item number: 2022-108/145-000

1-conductor female connector; Push-in CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5.2 mm; 8-pole; Centered locking levers; Strain relief plate; 4,00 mm<sup>2</sup>; gray

[www.wago.com/2022-108/145-000](http://www.wago.com/2022-108/145-000)



### 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.

### Electrical data

#### Ratings per IEC/EN

|   |   |
|---|---|
| Ratings per   | IEC/EN 61984  |
| Nominal voltage (III/3)                                   | 690 V   |
| Rated impulse voltage (III/3)                             | 6 kV  |
| Rated current   | 24 A  |
| Current at conductor cross-section (max.) mm <sup>2</sup> | 32 A  |
| Legend (ratings)  | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

#### Ratings per UL

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 20 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 20 A    |

#### Ratings per CSA

|                                 |                 |
|---------------------------------|-----------------|
| Approvals per                   | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group C) | 600 V           |
| Rated current CSA (Use Group C) | 20 A            |

### Connection data

|                   |   |
|-------------------|---|
| Connection points | 8 |
|-------------------|---|

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

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|                            |   |
|----------------------------|---|
| Total number of potentials | 8 |
|----------------------------|---|

### Connection 1

|  |   |
|--|---|
| Connection technology                                      | Push-in CAGE CLAMP®   |
| Actuation type   | Operating tool  |
| Connectable conductor materials                            | Copper  |
| Nominal cross-section                                      | 2.5 mm <sup>2</sup>   |
| Solid conductor  | 0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG  |
| Solid conductor; push-in termination                       | 0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG  |
| Fine-stranded conductor                                    | 0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG  |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG  |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm <sup>2</sup> / 18 ... 14 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   | 10 ... 12 mm / 0.39 ... 0.47 inches   |
| Pole number  | 8   |
| Wiring direction   | Front-entry wiring  |

### Physical data

|              |                        |
|--------------|------------------------|
| Width        | 41.6 mm / 1.638 inches |
| Height       | 69 mm / 2.717 inches   |
| Depth        | 27.2 mm / 1.071 inches |
| Module width | 5.2 mm / 0.205 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           |
| Mismatching protection               | No                      |
| Plugging without loss of pin spacing | Yes                     |
| Locking of plug-in connection        | Locking lever           |
| Strain relief                        | Strain relief plate     |

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



## 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                   | 0.636 MJ         |
| Weight                      | 28.5 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          |
| ECCN                  | NO DATA           |
| PU (SPU)              | 25 pcs            |
| Packaging type        | Box               |
| Country of origin     | DE                |
| GTIN                  | 4050821090755     |
| Customs tariff number | 85366990990       |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo | Approval                        | Additional Approval Text | Certificate name |
|------|---------------------------------|--------------------------|------------------|
|      | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2437422          |

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## Optional accessories

### Insulation stop

Insulation stop



**Item no.: 2002-171**

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/2002-171](http://www.wago.com/2002-171)



**Item no.: 2002-172**

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/2002-172](http://www.wago.com/2002-172)

### Protective warning marker

Cover



**Item no.: 2002-115**

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

[www.wago.com/2002-115](http://www.wago.com/2002-115)

### Ferrule

Ferrule



**Item no.: 216-241**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

[www.wago.com/216-241](http://www.wago.com/216-241)



**Item no.: 216-242**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

[www.wago.com/216-242](http://www.wago.com/216-242)



**Item no.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-243](http://www.wago.com/216-243)



**Item no.: 216-244**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

[www.wago.com/216-244](http://www.wago.com/216-244)



**Item no.: 216-263**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

[www.wago.com/216-263](http://www.wago.com/216-263)



**Item no.: 216-246**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-246](http://www.wago.com/216-246)



**Item no.: 216-266**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

[www.wago.com/216-266](http://www.wago.com/216-266)

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

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|  |  |  |
|--|--|--|
|     | <p><b>Item no.: 216-264</b><br/>                     Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a>                 |
|     | <p><b>Item no.: 216-286</b><br/>                     Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a>                 |
|     | <p><b>Item no.: 216-262</b><br/>                     Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a>                 |
| <b>Screwless end stop</b>  |  |  |
| Mounting accessories   |  |  |
|    | <p><b>Item no.: 249-117</b><br/>                     Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray</p>   | <a href="http://www.wago.com/249-117">www.wago.com/249-117</a>                 |
| <b>Marking accessories</b>   |  |  |
| Marking strip  |  |  |
|    | <p><b>Item no.: 2009-110</b><br/>                     Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white</p>  | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>               |
|   | <p><b>Item no.: 210-831</b><br/>                     Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white</p>   | <a href="http://www.wago.com/210-831">www.wago.com/210-831</a>                 |
|  | <p><b>Item no.: 210-833</b><br/>                     Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white</p>  | <a href="http://www.wago.com/210-833">www.wago.com/210-833</a>                 |
|  | <p><b>Item no.: 210-834</b><br/>                     Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white</p>   | <a href="http://www.wago.com/210-834">www.wago.com/210-834</a>                 |
|  | <p><b>Item no.: 210-832</b><br/>                     Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white</p>   | <a href="http://www.wago.com/210-832">www.wago.com/210-832</a>                 |
| Label  |  |  |
|  | <p><b>Item no.: 210-805</b><br/>                     Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white</p>   | <a href="http://www.wago.com/210-805">www.wago.com/210-805</a>                 |
|  | <p><b>Item no.: 210-805/000-002</b><br/>                     Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow</p>  | <a href="http://www.wago.com/210-805/000-002">www.wago.com/210-805/000-002</a> |
| Marker   |  |  |
|  | <p><b>Item no.: 2009-115</b><br/>                     WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>   | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>               |

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



Item no.: 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/793-5501](http://www.wago.com/793-5501)

**Tool**

Operating tool



Item no.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)

**Downloads**

**Documentation**

**Bid Text**

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**Asset Administration Shell**

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## Environmental Product Compliance

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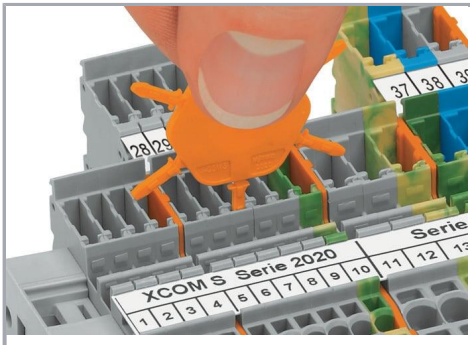
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1-conductor female connector; Push-in CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5.2 mm;  
8-pole; Centered locking levers; Strain relief plate; 4,00 mm<sup>2</sup>; gray

## Installation Notes

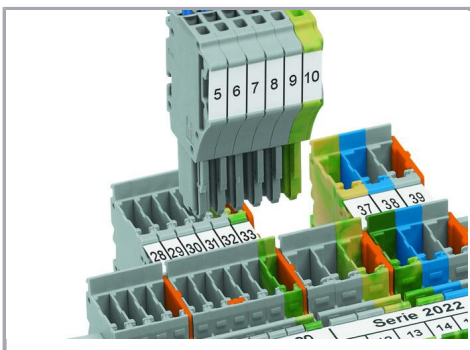
### Coding



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



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



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

## Product family

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



**X-COM S**

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