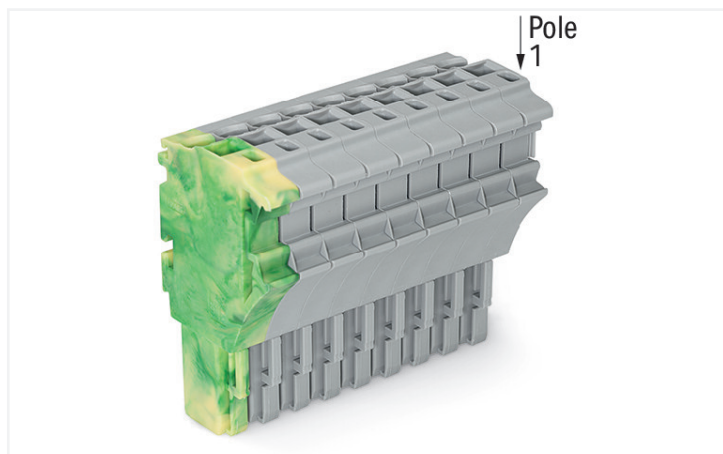


**Data Sheet | Item Number: 2022-109/000-037**

1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm;  
9-pole; 4,00 mm²; gray

<https://www.wago.com/2022-109/000-037>



Color: ☐ green-yellow/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.

**Electrical data**

| Ratings per                                   | IEC/EN 61984 |     |    |
|-----------------------------------------------|--------------|-----|----|
| Overvoltage category                          | III          | III | II |
| Pollution degree                              | 3            | 2   | 2  |
| Nominal voltage                               | 690 V        | -   | -  |
| Rated surge voltage                           | 6 kV         | -   | -  |
| Rated current                                 | 24 A         | -   | -  |
| Current at conductor cross-section (max.) mm² | 32 A         | -   | -  |

| Approvals per | UL 1059 |       |   |
|---------------|---------|-------|---|
| Use group     | B       | C     | D |
| Rated voltage | 600 V   | 600 V | - |
| Rated current | 20 A    | 20 A  | - |

| Approvals per | CSA 22.2 No 158 |       |   |
|---------------|-----------------|-------|---|
| Use group     | B               | C     | D |
| Rated voltage | -               | 600 V | - |
| Rated current | -               | 20 A  | - |

**Connection data**

|                            |   |
|----------------------------|---|
| Connection points          | 9 |
| Total number of potentials | 9 |

| Connection 1                                               |                                  |
|------------------------------------------------------------|----------------------------------|
| Connection technology                                      | Push-in CAGE CLAMP®              |
| Actuation type                                             | Operating tool                   |
| Connectable conductor materials                            | Copper                           |
| Nominal cross-section                                      | 2.5 mm²                          |
| Solid conductor                                            | 0.25 ... 4 mm² / 22 ... 12 AWG   |
| Solid conductor; push-in termination                       | 0.75 ... 4 mm² / 18 ... 12 AWG   |
| Fine-stranded conductor                                    | 0.25 ... 4 mm² / 22 ... 12 AWG   |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm² / 22 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm² / 18 ... 14 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                   | 10 ... 12 mm / 0.39 ... 0.47 inches                                                                                               |
| Pole number                    | 9                                                                                                                                 |
| Wiring direction               | Front-entry wiring                                                                                                                |

### Physical data

|              |                        |
|--------------|------------------------|
| Width        | 46.8 mm / 1.843 inches |
| Height       | 40.5 mm / 1.594 inches |
| Depth        | 22.4 mm / 0.882 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           |
| Mismating protection                 | No                      |
| Plugging without loss of pin spacing | Yes                     |

### Material data

|                             |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | green-yellow/gray                                                                                                      |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 0.484 MJ                                                                                                               |
| Weight                      | 29.8 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                  | 4045454913045     |
| Customs tariff number | 85366990990       |



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

Approvals / Certificates

General approvals



| Approval                        | Standard      | Certificate Name |
|---------------------------------|---------------|------------------|
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 2437422          |

Downloads

Environmental Product Compliance

| Compliance Search                                    |
|------------------------------------------------------|
| Environmental Product Compliance<br>2022-109/000-037 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text         |            |                  |  |
|------------------|------------|------------------|--|
| 2022-109/000-037 | 17.05.2019 | xml<br>4.21 KB   |  |
| 2022-109/000-037 | 14.05.2019 | docx<br>15.43 KB |  |

CAD/CAE-Data

| CAD data                         |
|----------------------------------|
| 2D/3D Models<br>2022-109/000-037 |



| CAE data                              |
|---------------------------------------|
| EPLAN Data Portal<br>2022-109/000-037 |
| WSCAD Universe<br>2022-109/000-037    |
| ZUKEN Portal<br>2022-109/000-037      |





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.: 216-262**  
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



**Item No.: 216-263**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-246**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-266**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-286**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

1.1.2 Insulation stop

1.1.2.1 Insulation stop



**Item No.: 2002-171**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



**Item No.: 2002-172**  
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.1.3 Locking system

1.1.3.1 Locking system



**Item No.: 2022-151**  
Locking lever; gray



**Item No.: 2022-152**  
Locking lever; orange

1.1.4 Marking

1.1.4.1 Label



**Item No.: 210-805**  
Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white



**Item No.: 210-805/000-002**  
Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow



1.1.4.2 Marker



**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

**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.4.3 Marking strip



**Item No.: 210-833**  
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

**Item No.: 210-831**  
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



**Item No.: 210-834**  
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

1.1.5 Protective warning marker

1.1.5.1 Cover



**Item No.: 2002-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.1.6 Screwless end stop

1.1.6.1 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

1.1.7 Strain relief

1.1.7.1 Strain relief plate



**Item No.: 734-326**  
Strain relief plate; for female and male connectors; 35 mm wide; 1 part; gray

1.1.8 Tool

1.1.8.1 Operating tool



Item No.: 210-720  
Operating tool; Blade: 3.5 x 0.5 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.