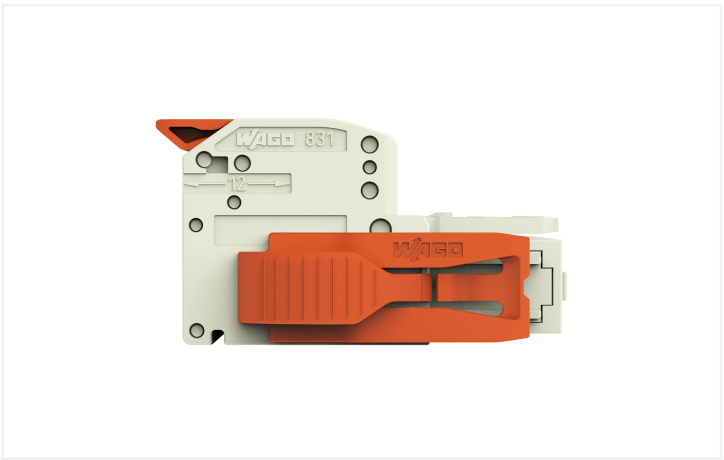


**Data Sheet | Item Number: 831-1109/038-000**

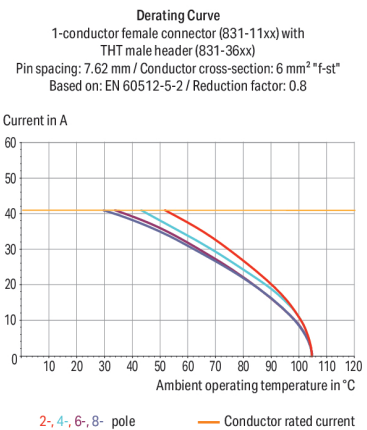
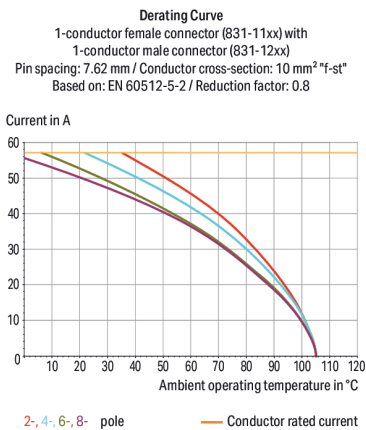
1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 9-pole; 100% protected against mismating; Lateral locking levers; 10,00 mm²; light gray

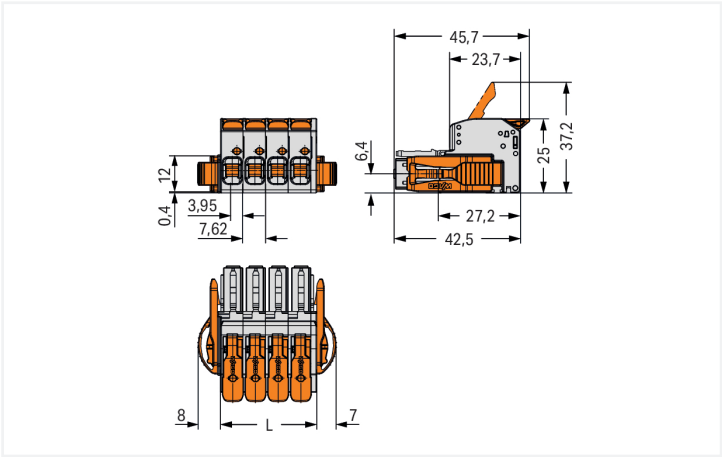


<https://www.wago.com/831-1109/038-000>



Color: ■ light gray





Dimensions in mm  
L = (pole no. x pin spacing) + 1.9 mm

Female connector, 831 Series, lever

This female connector (item number 831-1109/038-000) simplifies electrical installations. Ensure that the strip lengths are between 11 and 13 mm when connecting conductors to this female connector. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this product outperforms the competition. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. The item's dimensions are (94.48 x 25 x 45.7) mm (width x height x depth). Depending on the conductor type, this female connector is suitable for conductor cross sections ranging from 0.5 mm² to 10 mm².

The contact surface is coated with tin.

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated. |
| Variants:          | Other colors<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                                                                                            |

| Electrical data                 |  |                |        |        |               |   |             |
|---------------------------------|--|----------------|--------|--------|---------------|---|-------------|
| Ratings per                     |  | IEC/EN 60664-1 |        |        | Approvals per |   | UL 1059     |
| Overvoltage category            |  | III            | III    | II     | Use group     | B | C D         |
| Pollution degree                |  | 3              | 2      | 2      | Rated voltage | - | 600 V 600 V |
| Nominal voltage                 |  | 800 V          | 1000 V | 1000 V | Rated current | - | 37 A 5 A    |
| Rated impulse withstand voltage |  | 8 kV           | 8 kV   | 8 kV   |               |   |             |
| Rated current                   |  | 41 A           | 41 A   | 41 A   |               |   |             |

| Approvals per |  | CSA |       |       |
|---------------|--|-----|-------|-------|
| Use group     |  | B   | C     | D     |
| Rated voltage |  | -   | 600 V | 600 V |
| Rated current |  | -   | 35 A  | 5 A   |



| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +105 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 12 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4066966406122 |
| Customs tariff number | 85366990990   |

| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| 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



| Approval                              | Standard  | Certificate Name |
|---------------------------------------|-----------|------------------|
| CB<br>DEKRA Certification B.V.        | IEC 61984 | NL-124478        |
| DEKRA<br>DEKRA Certification B.V.     | EN 61984  | 71-173515        |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984  | 71-129589 REV.1  |
| UR<br>Underwriters Laboratories Inc.  | UL 1059   | UL-US-2426356-0  |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
831-1109/038-000





Documentation

| Additional Information |            |                   |  |
|------------------------|------------|-------------------|--|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| CAD data                         |  |
|----------------------------------|--|
| 2D/3D Models<br>831-1109/038-000 |  |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



**Item No.: 831-1209**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 9-pole; 100% protected against mismatching; 10,00 mm²; light gray



**Item No.: 831-1209/306-000**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 9-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; 10,00 mm²; light gray



**Item No.: 831-3629**  
THT male header; 1.0 x 1.2 mm solder pin; angled; 100% protected against mismatching; Pin spacing 7.62 mm; 9-pole; light gray



**Item No.: 831-3649**  
THT male header; 1.0 x 1.2 mm solder pin; angled; 100% protected against mismatching; Pin spacing 7.62 mm; 9-pole; light gray



**Item No.: 831-3609**  
THT male header; 1.0 x 1.2 mm solder pin; straight; 100% protected against mismatching; Pin spacing 7.62 mm; 9-pole; light gray

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



**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.: 216-263**  
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.: 216-264**  
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.: 216-266**  
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.: 216-267**  
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-208**  
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



**Item No.: 216-108**  
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

## 1.2.2 Mounting adapter

### 1.2.2.1 Mounting accessories

**Item No.: 831-1038**

Mounting adapter; for DIN-35 rail/panel mounting; fixed on DIN-rail 35; Pin spacing 7.62 mm; light gray

**Item No.: 831-1032**

Mounting adapter; for DIN-35 rail/panel mounting; freely movable on DIN-rail 35; Pin spacing 7.62 mm; light gray

## 1.2.3 Strain relief

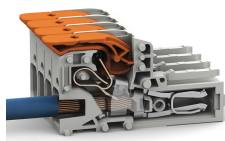
### 1.2.3.1 Strain relief plate

**Item No.: 831-506**

Strain relief plate; for female and male connectors; 51 mm wide; 1 part; Pin spacing 7.62 mm; light gray

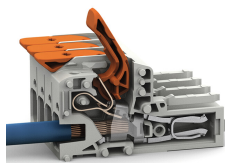
## Installation Notes

### Conductor termination



Insert solid conductors via push-in termination.

### Conductor removal



Insert fine-stranded conductors – and remove all conductors – via operating tool.