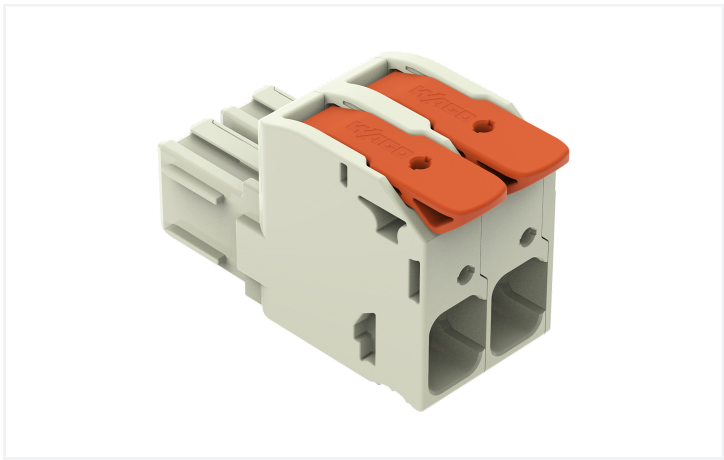


**Data Sheet | Item Number: 832-1102**

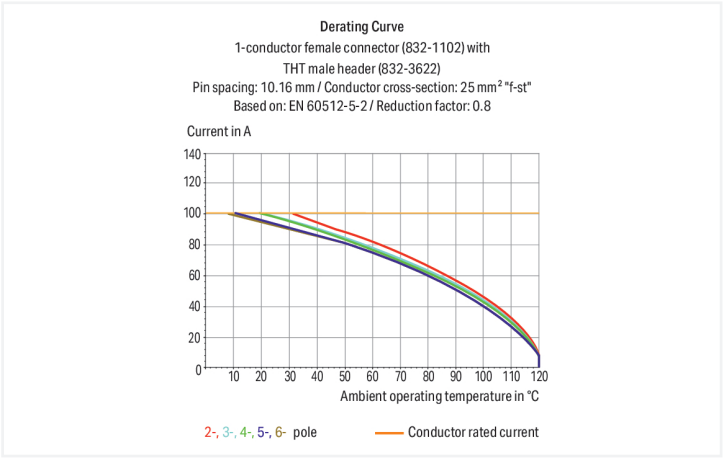
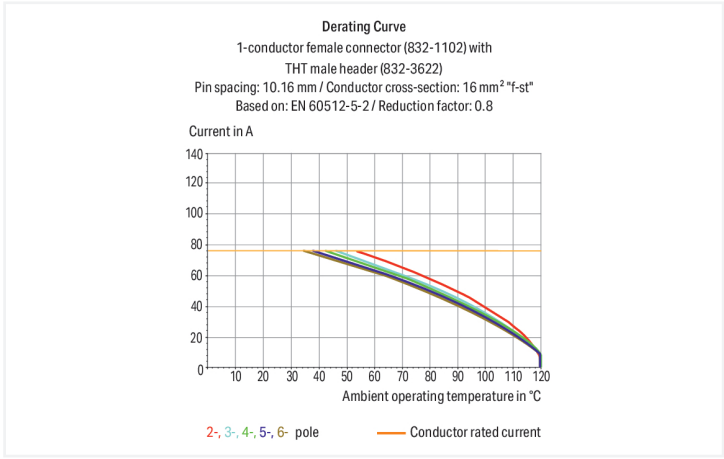
1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismating; Silver-plated contacts; 16,00 mm²; light gray

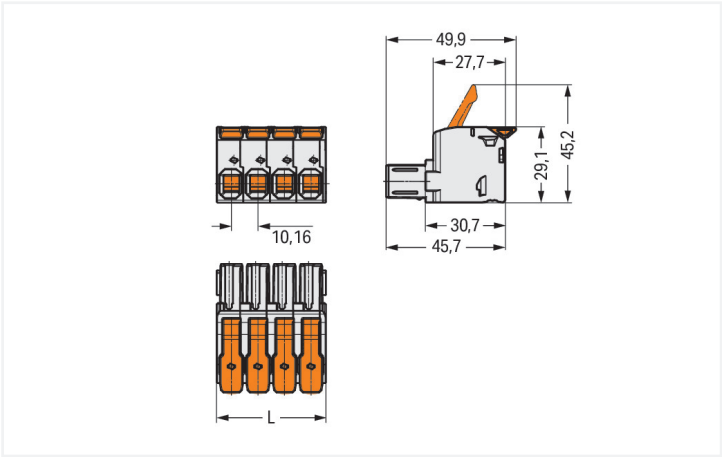


<https://www.wago.com/832-1102>



Color: ■ light gray





Dimensions in mm  
L = (pole no. x pin spacing) + 1.3 mm

Female connector, 832 Series, with 10.16 mm pin spacing

Fault-free electrical installations are guaranteed with this female connector (item number 832-1102). Conductors can only be connected to this female connector if their strip length is between 18 and 20 mm . Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector delivers reliable performance. 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 dimensions are (21.62 x 29.1 x 49.8) mm (width x height x depth). Depending on the type of conductor, this female connector is ideal for conductor cross sections ranging from 0.75 mm² to 16 mm².

Silver is used for coating the contact surfaces.

- Pin spacing: 10,16 mm
- Enables simplified wiring in two actuation directions for CAGE CLAMP® variants
- Compact sizes
- Actuation via lever
- 2 connection points

| 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 pole numbers<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 |        |        |
| Overvoltage category            |  | III            | III    | II     |
| Pollution degree                |  | 3              | 2      | 2      |
| Nominal voltage                 |  | 1000 V         | 1000 V | 1000 V |
| Rated impulse withstand voltage |  | 8 kV           | 8 kV   | 8 kV   |
| Rated current                   |  | 76 A           | 76 A   | 76 A   |
| Approvals per                   |  | UL 1059        |        |        |
| Use group                       |  | B              | C      | D      |
| Rated voltage                   |  | 600 V          | 600 V  | -      |
| Rated current                   |  | 66 A           | 66 A   | -      |



| Ratings       |         |
|---------------|---------|
| Approvals per | UL 1977 |
| Rated voltage | 600 V   |
| Rated current | 85 A    |

| Approvals per |       | CSA   |   |  |
|---------------|-------|-------|---|--|
| Use group     | B     | C     | D |  |
| Rated voltage | 600 V | 600 V | - |  |
| Rated current | 66 A  | 66 A  | - |  |

| Connection Data            |   |                                                      |                                     |
|----------------------------|---|------------------------------------------------------|-------------------------------------|
| Clamping units             | 2 | <b>Connection 1</b>                                  |                                     |
| Total number of potentials | 2 |                                                      |                                     |
| Number of connection types | 1 | Connection technology                                | Push-in CAGE CLAMP®                 |
| Number of levels           | 1 | Actuation type                                       | Lever                               |
|                            |   | Solid conductor                                      | 0.75 ... 16 mm² / 18 ... 4 AWG      |
|                            |   | Fine-stranded conductor                              | 0.75 ... 25 mm² / 18 ... 4 AWG      |
|                            |   | Fine-stranded conductor; with insulated fer-<br>rule | 0.75 ... 16 mm²                     |
|                            |   | Fine-stranded conductor; with uninsulated<br>ferrule | 0.75 ... 16 mm²                     |
|                            |   | Strip length                                         | 18 ... 20 mm / 0.71 ... 0.79 inches |
|                            |   | Pole number                                          | 2                                   |
|                            |   | Conductor entry direction to mating direc-<br>tion   | 0 °                                 |

| Physical data |                         |
|---------------|-------------------------|
| Pin spacing   | 10.16 mm / 0.4 inches   |
| Width         | 21.62 mm / 0.851 inches |
| Height        | 29.1 mm / 1.146 inches  |
| Depth         | 49.8 mm / 1.961 inches  |

| Mechanical data          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

| Plug-in connection                 |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |
| Mismating protection               | Yes                     |

| Material data                                        |                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------|
| Note (material data)                                 | <a href="#">Information on material specifications can be found here</a> |
| Color                                                | light gray                                                               |
| Material group                                       | I                                                                        |
| Insulation material (main housing)                   | Polybutylene terephthalate (PBT)                                         |
| Flammability class per UL94                          | V0                                                                       |
| Clamping spring material                             | Chrome-nickel spring steel (CrNi)                                        |
| Material of the additional spring for socket contact | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                                     | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                                      | Silver                                                                   |
| Fire load                                            | 0.338 MJ                                                                 |
| Actuator color                                       | orange                                                                   |
| Weight                                               | 27.5 g                                                                   |

| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +120 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 24 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4066966821444 |
| 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



| Approval                              | Standard      | Certificate Name                    |
|---------------------------------------|---------------|-------------------------------------|
| CB<br>DEKRA Certification B.V.        | IEC 61984     | NL-122199                           |
| CSA<br>CSA Group                      | C22.2         | 70180346                            |
| DEKRA<br>DEKRA Certification B.V.     | EN 61984      | 71-168918                           |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984      | 71-168766                           |
| UL<br>Underwriters Laboratories Inc.  | C22.2 No. 158 | UL-US-<br>L45172-6187180-82608102-1 |
| UL<br>Underwriters Laboratories Inc.  | UL 1059       | UL-US-<br>L45172-6187180-82608102-1 |
| UL<br>Underwriters Laboratories Inc.  | UL 1977       | UL-US-<br>L45171-12-60218102-2      |



Downloads

Environmental Product Compliance

|                                           |
|-------------------------------------------|
| Compliance Search                         |
| Environmental Product Compliance 832-1102 |
|                                           |

Documentation

|                        |
|------------------------|
| Additional Information |
| Technical Section      |
| 03.04.2019             |
| pdf                    |
| 2027.26 KB             |
|                        |

CAD/CAE-Data

|                       |
|-----------------------|
| CAD data              |
| 2D/3D Models 832-1102 |
|                       |

|                       |
|-----------------------|
| CAE data              |
| ZUKEN Portal 832-1102 |
|                       |

|                                                   |
|---------------------------------------------------|
| PCB Design                                        |
| Symbol and Footprint via SamacSys 832-1102        |
|                                                   |
| Symbol and Footprint via Ultra Librarian 832-1102 |
|                                                   |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



**Item No.: 832-1202/306-000**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray



**Item No.: 832-1202**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Silver-plated contacts; 16,00 mm²; light gray



**Item No.: 832-1202/000-9034**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Silver-plated contacts; direct marking; 16,00 mm²; light gray



**Item No.: 832-1202/332-000**  
1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray



**Item No.: 832-3622**  
THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



**Item No.: 832-3642**  
THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



**Item No.: 832-3602**  
THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



**Item No.: 832-500**  
Coding key carrier; orange

1.2.2 Ferrule

1.2.2.1 Ferrule



**Item No.: 216-284**  
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



**Item No.: 216-289**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-210**  
Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; 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 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-287**  
Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.3 Locking system

1.2.3.1 Locking system



**Item No.: 832-522**  
center locking; for female connectors; for even pole numbers; 1 part; orange

1.2.4 Mounting adapter

1.2.4.1 Mounting accessories



**Item No.: 832-1038**  
Mounting adapter; for DIN-35 rail/panel mounting; fixed on DIN-rail 35; Pin spacing 10.16 mm; light gray



**Item No.: 832-1032**  
Mounting adapter; for DIN-35 rail/panel mounting; freely movable on DIN-rail 35; Pin spacing 10.16 mm; light gray



1.2.5 Strain relief

1.2.5.1 Strain relief plate



Item No.: 832-542

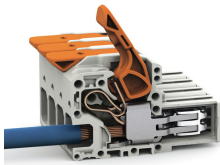
center locking with strain relief; for female and male connectors; 20.2 mm wide; 2 parts; Pin spacing 10.16 mm; 2-pole; orange

Item No.: 832-532

Strain relief plate; for female and male connectors; 20.2 mm wide; 1 part; Pin spacing 10.16 mm; 2-pole; light gray

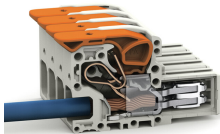
Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected