

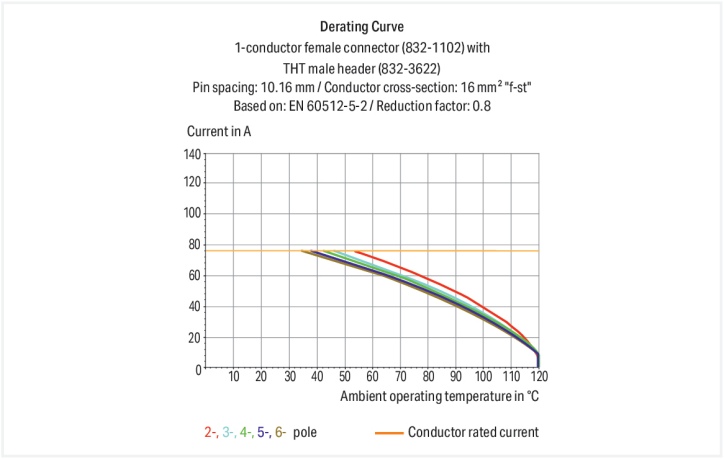
**Data Sheet | Item Number: 832-1106/320-000**

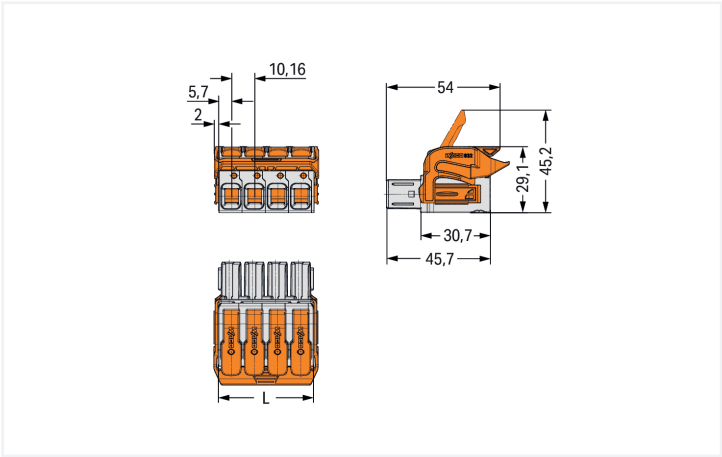
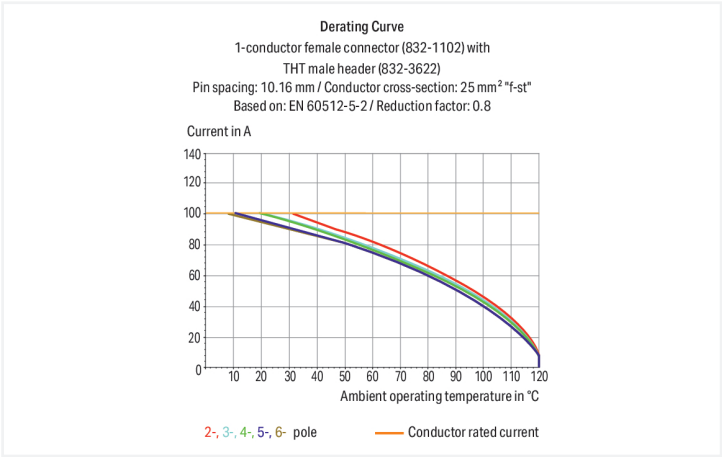
1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 6-pole; 100% protected against mismating; Centered locking levers; Silver-plated contacts; 16,00 mm²; light gray

<https://www.wago.com/832-1106/320-000>



Color: ■ light gray





$L = (\text{pole no.} \times \text{pin spacing}) + 1.3 \text{ mm}$

Female connector, 832 Series, 0 ° conductor exit to connection direction

Effortless electrical installations are guaranteed with this female connector (item number 832-1106/320-000). Ensure that the strip lengths are between 18 and 20 mm when connecting conductors to this female connector. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector is highly versatile. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The dimensions are (62.26 x 29.1 x 49.8) mm (width x height x depth). Depending on the type of conductor, this female connector is suitable for conductor cross sections ranging from 0.75 mm² to 16 mm².

The contact surface is coated with silver.

| 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                        |                                                           | Ratings per UL                 |         |
| Ratings per                               | IEC/EN 60664-1                                            | Approvals per                  | UL 1059 |
| Nominal voltage (III/3)                   | 1000 V                                                    | Rated voltage UL (Use Group B) | 600 V   |
| Rated impulse withstand voltage (III / 3) | 8 kV                                                      | Rated current UL (Use Group B) | 66 A    |
| Rated voltage (III/2)                     | 1000 V                                                    | Rated voltage UL (Use Group C) | 600 V   |
| Rated impulse withstand voltage (III/2)   | 8 kV                                                      | Rated current UL (Use Group C) | 66 A    |
| Nominal voltage (II/2)                    | 1000 V                                                    |                                |         |
| Rated impulse withstand voltage (II/2)    | 8 kV                                                      |                                |         |
| Rated current                             | 76 A                                                      |                                |         |
| Legend (ratings)                          | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |                                |         |



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

| Ratings per CSA                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 66 A  |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 66 A  |

| Connection Data            |   |
|----------------------------|---|
| Clamping units             | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                                         |                                     |
|------------------------------------------------------|-------------------------------------|
| Connection technology                                | Push-in CAGE CLAMP®                 |
| 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                                          | 6                                   |
| Conductor entry direction to mating direc-<br>tion   | 0 °                                 |

| Physical data |                         |
|---------------|-------------------------|
| Pin spacing   | 10.16 mm / 0.4 inches   |
| Width         | 62.26 mm / 2.451 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                     |
| Locking of plug-in connection      | Frontal locking lever   |

| Material data                                        |                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------|
| Note (material data)                                 | <a href="#">Information on material specifications can be found here</a> |
| Color                                                | light gray                                                               |
| Insulation material (main housing)                   | Polybutylene terephthalate (PBT)                                         |
| 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                                            | 1.047 MJ                                                                 |
| Actuator color                                       | orange                                                                   |
| Weight                                               | 83.7 g                                                                   |



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

| Commercial data       |               |
|-----------------------|---------------|
| PU (SPU)              | 12 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4066966823042 |
| 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               |
|--------------------------------------|----------|--------------------------------|
| DEKRA<br>DEKRA Certification B.V.    | EN 61984 | 71-129306                      |
| UL<br>Underwriters Laboratories Inc. | UL 1977  | UL-US-<br>L45171-12-60218102-2 |

## Downloads

### Environmental Product Compliance

| Compliance Search                                    |  |
|------------------------------------------------------|--|
| Environmental Product Compliance<br>832-1106/320-000 |  |



Documentation

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

CAD/CAE-Data

| CAD data                         |  |
|----------------------------------|--|
| 2D/3D Models<br>832-1106/320-000 |  |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug

|                                                                                                                                                                                                             |                                                                                                                                                                                   |                                                                                                                                                                                   |                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                             |                                                                                                                                                                                   |                                                                                                                                                                                   |                                                                                                                                                                                     |
| <b>Item No.: 832-1206</b><br>1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 6-pole; 100% protected against mis-mating; Silver-plated contacts; 16,00 mm²; light gray | <b>Item No.: 832-3626</b><br>THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray | <b>Item No.: 832-3646</b><br>THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray | <b>Item No.: 832-3606</b><br>THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray |

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding

|                                                        |
|--------------------------------------------------------|
|                                                        |
| <b>Item No.: 832-500</b><br>Coding key carrier; orange |

1.2.2 Ferrule

1.2.2.1 Ferrule

|                                                                                                                                                                                |                                                                                                                                                                               |                                                                                                                                                                             |                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                |                                                                                                                                                                               |                                                                                                                                                                             |                                                                                                                                                                               |
| <b>Item No.: 216-284</b><br>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 | <b>Item No.: 216-289</b><br>Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red    | <b>Item No.: 216-210</b><br>Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | <b>Item No.: 216-286</b><br>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 |
|                                                                                                                                                                                |                                                                                                                                                                               |                                                                                                                                                                             |                                                                                                                                                                               |
| <b>Item No.: 216-287</b><br>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <b>Item No.: 216-288</b><br>Ferrule; Sleeve for 6 mm² / 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



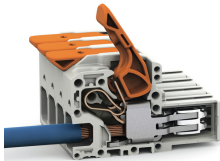
**Item No.: 832-544**  
center locking with strain relief; for female and male connectors; 40.6 mm wide; 2 parts; Pin spacing 10.16 mm; 4-pole; orange



**Item No.: 832-534**  
Strain relief plate; for female and male connectors; 40.6 mm wide; 1 part; Pin spacing 10.16 mm; 4-pole; light gray

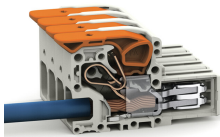
Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected