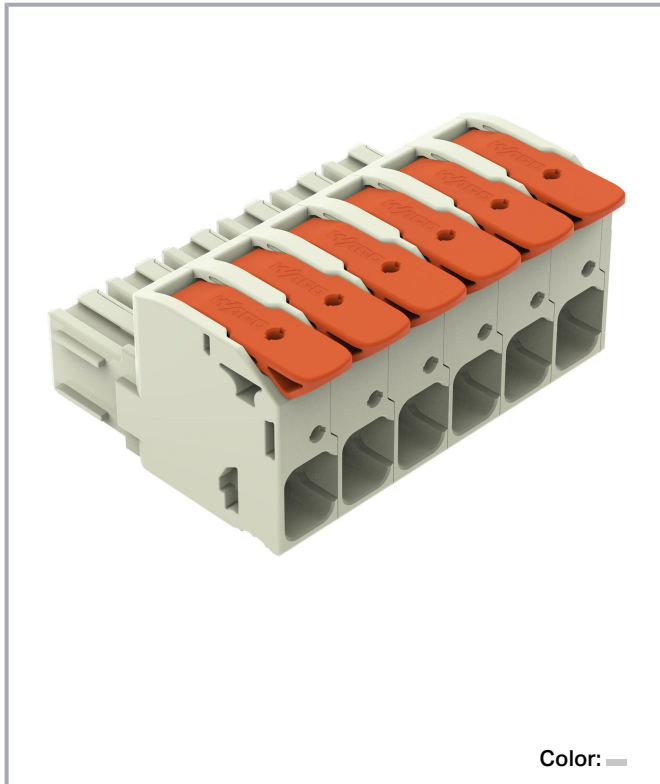


**Data sheet | Item number: 832-1106**

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

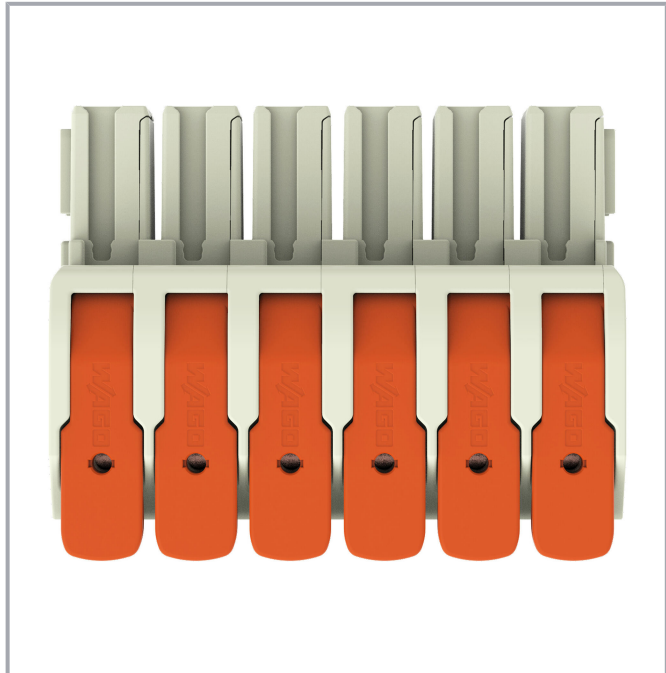
[www.wago.com/832-1106](http://www.wago.com/832-1106)



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

WAGO GmbH & Co. KG  
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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

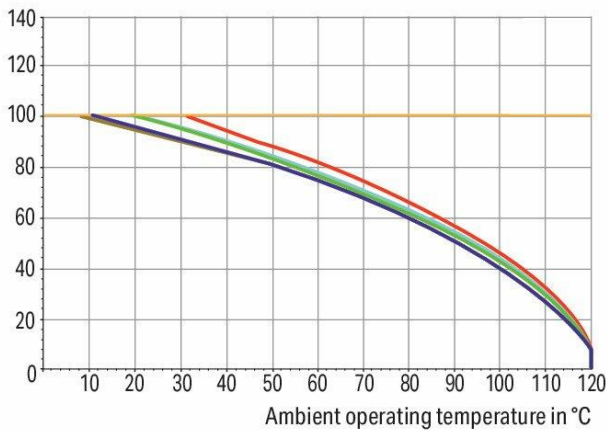


**Derating Curve**

1-conductor female connector (832-1102) with  
THT male header (832-3622)

Pin spacing: 10.16 mm / Conductor cross-section: 25 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



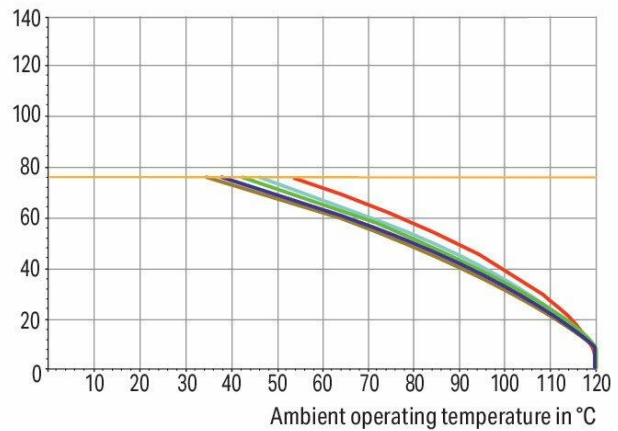
2-, 3-, 4-, 5-, 6- pole      ——— Conductor rated current

**Derating Curve**

1-conductor female connector (832-1102) with  
THT male header (832-3622)

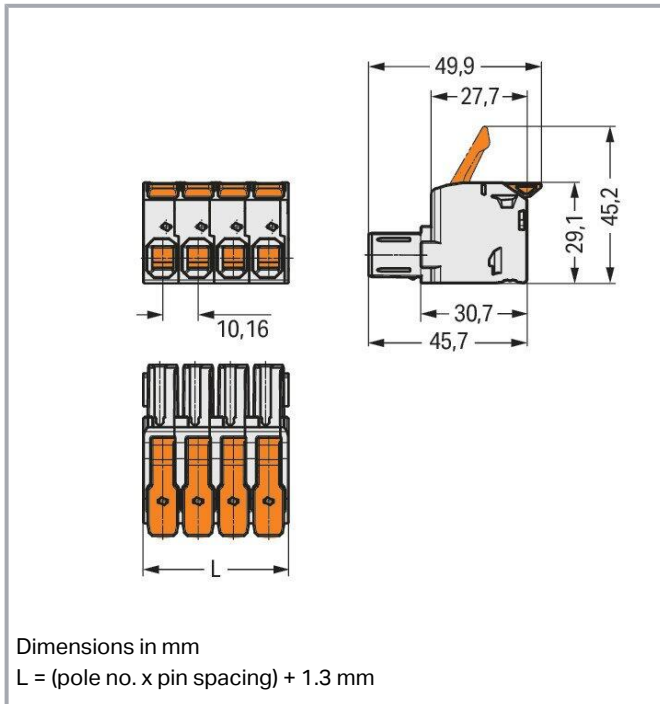
Pin spacing: 10.16 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



2-, 3-, 4-, 5-, 6- pole      ——— Conductor rated current

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



### Item description

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Test slot 0° and 90° to conductor entry
- 100% protected against mismatching
- Coding option available

### Data

#### 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

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

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

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## Electrical data

### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1  |
|-------------------------------|---|
| Nominal voltage (III/3)       | 1000 V  |
| Rated impulse voltage (III/3) | 8 kV  |
| Rated voltage (III/2)         | 1000 V  |
| Rated impulse voltage (III/2) | 8 kV  |
| Nominal voltage (II/2)        | 1000 V  |
| Rated surge voltage (II/2)    | 8 kV  |
| Rated current                 | 76 A  |
| Legend (ratings)              | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

### Ratings per UL 1059

| Approvals per                  | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 600 V   |
| Rated current UL (Use Group B) | 66 A    |
| Rated voltage UL (Use Group C) | 600 V   |
| Rated current UL (Use Group C) | 66 A    |

### 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

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |

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



|                  |   |
|------------------|---|
| Number of levels | 1 |
|------------------|---|

### Connection 1

|   |  |
|---|--|
| Connection technology                             | Push-in CAGE CLAMP®                        |
| Actuation type                                    | Lever                                      |
| Solid conductor                                   | 0.75 ... 16 mm <sup>2</sup> / 18 ... 4 AWG |
| Fine-stranded conductor                           | 0.75 ... 25 mm <sup>2</sup> / 18 ... 4 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.75 ... 16 mm <sup>2</sup>                |
| Fine-stranded conductor; with uninsulated ferrule | 0.75 ... 16 mm <sup>2</sup>                |
| Strip length                                      | 18 ... 20 mm / 0.71 ... 0.79 inches        |
| Pole number                                       | 6  |
| Conductor entry direction to mating direction     | 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                     |
| Plugging without loss of pin spacing | No                      |
| Locking of plug-in connection        | none                    |

### Material Data

|                      |  |
|----------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color                | light gray   |
| Material group       | I  |

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

|  |  |
|--|--|
| Insulation material                                  | 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  | 1.356 MJ                               |
| Actuator color                                       | orange                                 |
| Weight   | 79.9 g                                 |

### Environmental requirements

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

### Commercial data


|                       |               |
|-----------------------|---------------|
| 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)              | 10 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143736756 |
| Customs tariff number | 85366990990   |

### Environmental Product Compliance



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

### Approvals / Certificates







#### General approvals

| Logo   | Approval                               | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.  | IEC 61984                | NL-53084         |
|  | <b>CSA</b><br>DEKRA Certification B.V. | C22.2                    | 70180346         |

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

|  |  |               |               |
|--|--|---------------|---------------|
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984      | 71-<br>104731 |
|  | <b>UL</b><br>Underwriters Laboratories Inc.  | C22.2 No. 158 | E45172        |

## Counterpart

|  |  |  |
|--|--|--|
|    | <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 mismatching; Silver-plated contacts; 16,00 mm²; light gray                                     | <a href="http://www.wago.com/832-1206">www.wago.com/832-1206</a>                 |
|    | <b>Item no.832-3606</b><br>THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray  | <a href="http://www.wago.com/832-3606">www.wago.com/832-3606</a>                 |
|   | <b>Item no.832-3646</b><br>THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray  | <a href="http://www.wago.com/832-3646">www.wago.com/832-3646</a>                 |
|  | <b>Item no.832-3626</b><br>THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 6-pole; light gray  | <a href="http://www.wago.com/832-3626">www.wago.com/832-3626</a>                 |
|  | <b>Item no.832-1206/306-000</b><br>1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 6-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray | <a href="http://www.wago.com/832-1206/306-000">www.wago.com/832-1206/306-000</a> |
|  | <b>Item no.832-1206/334-000</b><br>1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 6-pole; 100% protected against mismatching; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray        | <a href="http://www.wago.com/832-1206/334-000">www.wago.com/832-1206/334-000</a> |

## Optional accessories

|               |
|---------------|
| <b>Coding</b> |
| Coding        |

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



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

### Locking levers

Locking system



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

[www.wago.com/832-522](http://www.wago.com/832-522)

### Ferrule

Ferrule



**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 [www.wago.com/216-210](http://www.wago.com/216-210)



**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 [www.wago.com/216-284](http://www.wago.com/216-284)



**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 [www.wago.com/216-286](http://www.wago.com/216-286)



**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 [www.wago.com/216-287](http://www.wago.com/216-287)



**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 [www.wago.com/216-288](http://www.wago.com/216-288)



**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 [www.wago.com/216-289](http://www.wago.com/216-289)

### Mounting adapter

Mounting accessories



**Item no.: 832-1038**  
Mounting adapter; for DIN-35 rail/panel mounting; 3 parts; Pin spacing 10.16 mm; light gray

[www.wago.com/832-1038](http://www.wago.com/832-1038)

### Strain relief

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 [www.wago.com/832-544](http://www.wago.com/832-544)



**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 [www.wago.com/832-534](http://www.wago.com/832-534)

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





## Downloads

### Documentation

#### Additional Information

|                        |            |        |          |
|------------------------|------------|--------|----------|
| Technical Section      | 2019 Apr 3 | pdf    | Download |
| Technical explanations |            | 2.0 MB |          |

## CAD/CAE-Data

### PCB Design

|                               |     |          |
|-------------------------------|-----|----------|
| Symbol and Footprint 832-1106 | URL | Download |
|-------------------------------|-----|----------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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

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#### CAE data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 832-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

#### CAD data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| 2D/3D Models 832-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

### Environmental Product Compliance

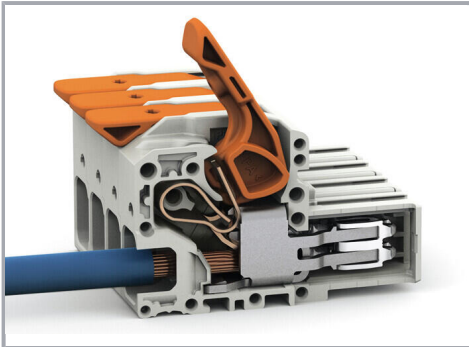
#### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 832-1106 | <a href="#">URL</a> | <a href="#">Download</a> |
|---|---------------------|--------------------------|

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm<sup>2</sup>; Pin spacing 10.16 mm; 6-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm<sup>2</sup>; light gray

### Installation Notes

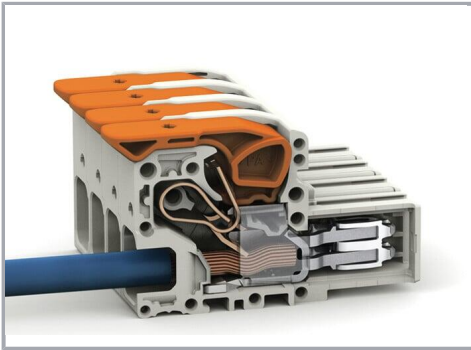
#### Conductor termination



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

#### Conductor termination

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



Fine-stranded wires, connected

## Product family

*MCS* MAXI 16

[Show all products from the family](#)

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