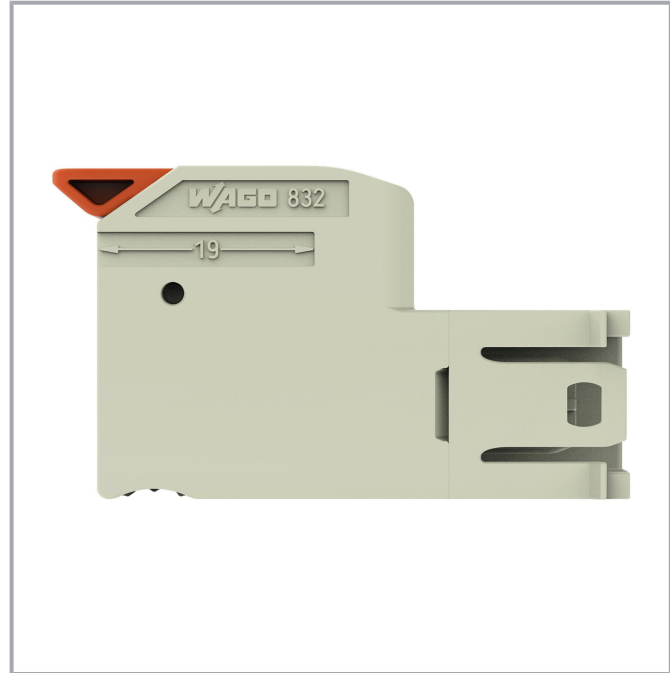
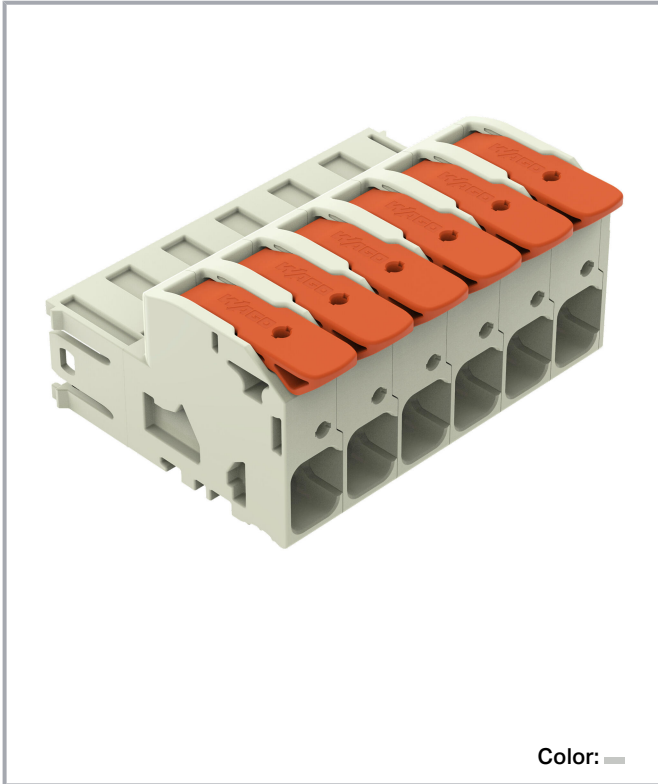


**Data sheet | Item number: 832-1206**

1-conductor male 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

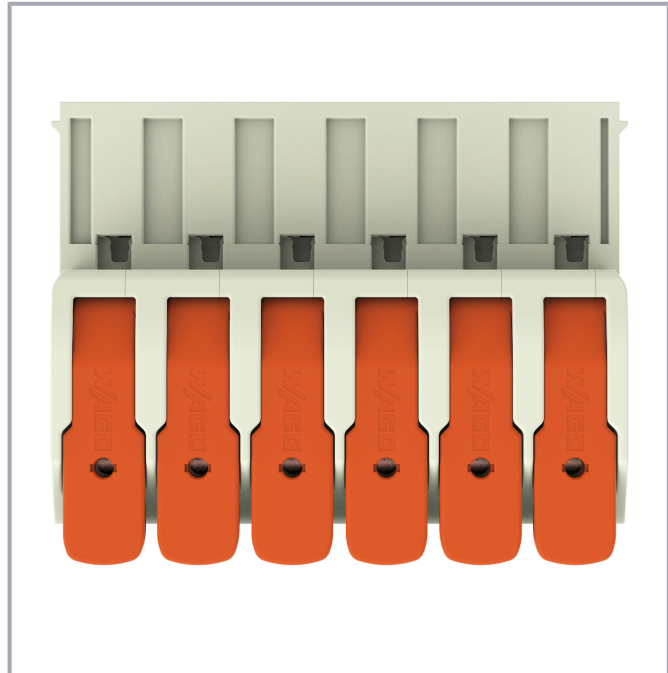
[www.wago.com/832-1206](http://www.wago.com/832-1206)



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

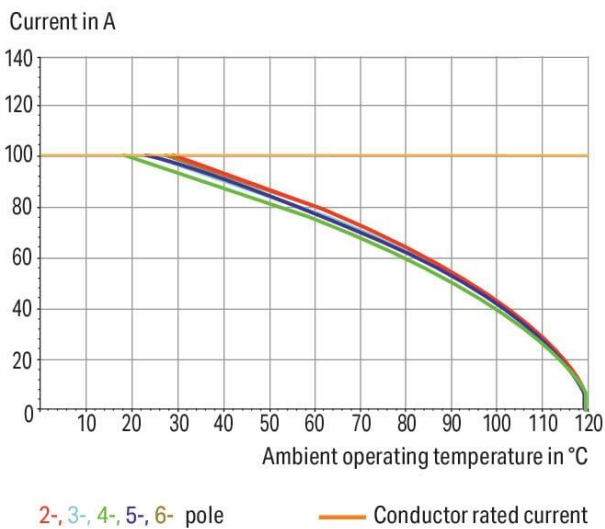
WAGO GmbH & Co. KG  
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32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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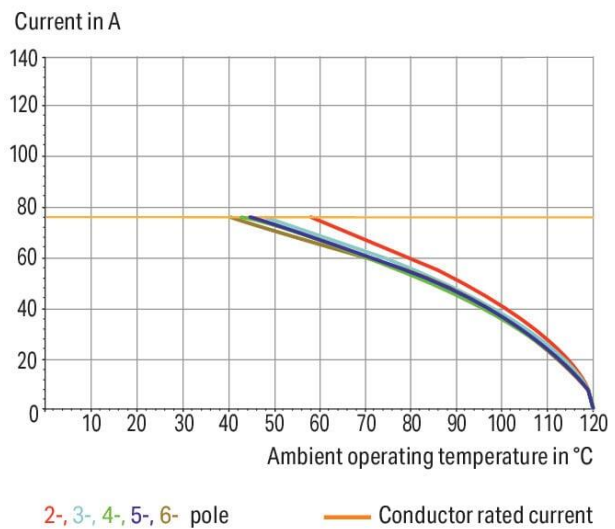
**Derating Curve**

1-conductor female connector (832-1102) with  
 1-conductor male connector (832-1202)  
 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



**Derating Curve**

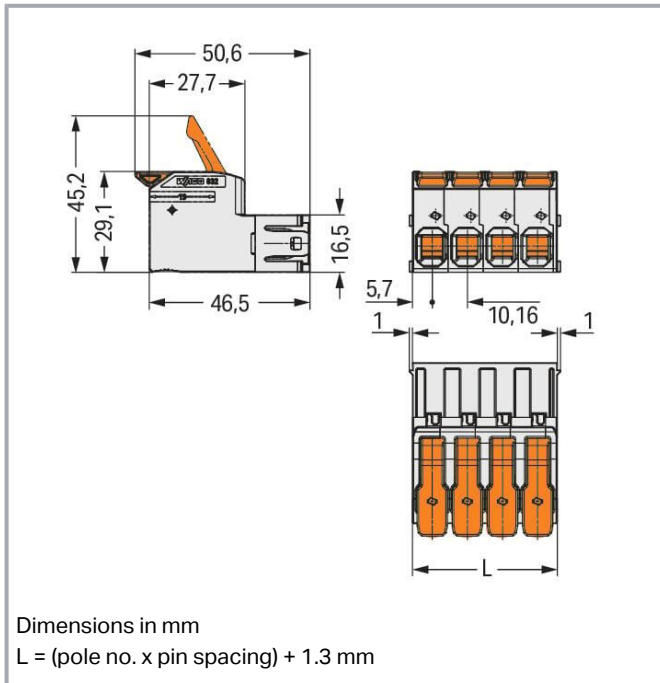
1-conductor female connector (832-1102) with  
 1-conductor male connector (832-1202)  
 Pin spacing: 10.16 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
 Based on: EN 60512-5-2 / Reduction factor: 0.8



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### 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) $\triangleq$ Overvoltage category III / Pollution degree 2 |

### Ratings per UL

| 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 |
| Number of levels           | 1 |

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



## 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       | 50.6 mm / 1.992 inches  |

## Mechanical Data

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

## Plug-in connection

|                                      |                     |
|--------------------------------------|---------------------|
| Contact type (pluggable connector)   | Male connector/plug |
| 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  |
| Insulation material  | Polybutylene terephthalate (PBT)                         |

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

|                             |  |
|-----------------------------|--|
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | Silver                                 |
| Fire load                   | 1.296 MJ                               |
| Actuator color              | orange                                 |
| Weight                      | 73.4 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      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 10 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4055143749015 |
| Customs tariff number | 85366930000   |

### 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>CSA Group               | C22.2                    | 70180346         |

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



KEMA/KEUR  
DEKRA Certification B.V.

EN 61984

71-  
104731



UL  
Underwriters Laboratories Inc.

C22.2 No. 158

E45172

## Counterpart



### Item no.832-1106/037-000

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

[www.wago.com/832-1106/037-000](http://www.wago.com/832-1106/037-000)



### Item no.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)



### Item no.832-1106/314-000

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

[www.wago.com/832-1106/314-000](http://www.wago.com/832-1106/314-000)



### Item no.832-1106/322-000

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

[www.wago.com/832-1106/322-000](http://www.wago.com/832-1106/322-000)



### Item no.832-1106/334-000

1-conductor female 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

[www.wago.com/832-1106/334-000](http://www.wago.com/832-1106/334-000)



### Item no.832-1106/344-000

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

[www.wago.com/832-1106/344-000](http://www.wago.com/832-1106/344-000)



### Item no.832-1106/037-000/306-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray

[www.wago.com/832-1106/037-000/306-000](http://www.wago.com/832-1106/037-000/306-000)



### Item no.832-1106/306-000

1-conductor female 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

[www.wago.com/832-1106/306-000](http://www.wago.com/832-1106/306-000)

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## Optional accessories

| Ferrule   |   |  |
|---|---|--|
| Ferrule   |   |  |
|  | <b>Item no.: 216-286</b><br>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 | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
|  | <b>Item no.: 216-287</b><br>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   | <a href="http://www.wago.com/216-287">www.wago.com/216-287</a> |
|  | <b>Item no.: 216-288</b><br>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 | <a href="http://www.wago.com/216-288">www.wago.com/216-288</a> |
|  | <b>Item no.: 216-289</b><br>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    | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |

| Mounting   |  |  |
|--|--|--|
| Mounting accessories   |  |  |
|  | <b>Item no.: 832-300</b><br>Locking device; for feed-through mounting; 2 parts; light gray | <a href="http://www.wago.com/832-300">www.wago.com/832-300</a> |

## Downloads

### Documentation

#### Additional Information

|                        |            |        |          |
|------------------------|------------|--------|----------|
| Technical Section      | 2019 Apr 3 | pdf    | Download |
| Technical explanations |            | 2.1 MB |          |

## CAD/CAE-Data

### CAD data

|                       |     |          |
|-----------------------|-----|----------|
| 2D/3D Models 832-1206 | URL | Download |
|-----------------------|-----|----------|

### PCB Design

|   |     |          |
|---|-----|----------|
| Symbol and Footprint via Ultra Librarian 832-1206 | 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:

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





- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- 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
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

---

Symbol and Footprint via SamacSys 832-1206

[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:

- 3D (stp)
- Altium
- CADSTAR
- Capture

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

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- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

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#### CAE data

|                       |                     |                          |
|-----------------------|---------------------|--------------------------|
| ZUKEN Portal 832-1206 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------|---------------------|--------------------------|

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#### Asset Administration Shell

|                                     |                     |                          |
|-------------------------------------|---------------------|--------------------------|
| Asset Administration Shell 832-1206 | <a href="#">URL</a> | <a href="#">Download</a> |
|-------------------------------------|---------------------|--------------------------|

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#### Environmental Product Compliance

##### Compliance Search

|   |                     |                          |
|---|---------------------|--------------------------|
| Environmental Product Compliance 832-1206 | <a href="#">URL</a> | <a href="#">Download</a> |
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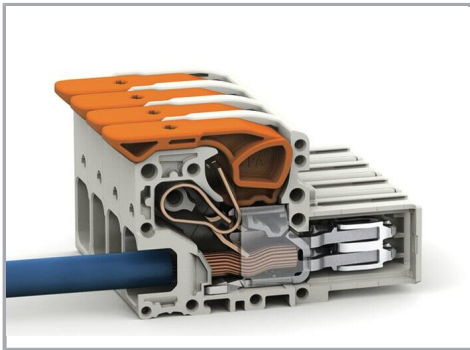
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1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm<sup>2</sup>; Pin spacing 10.16 mm; 6-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm<sup>2</sup>; light gray

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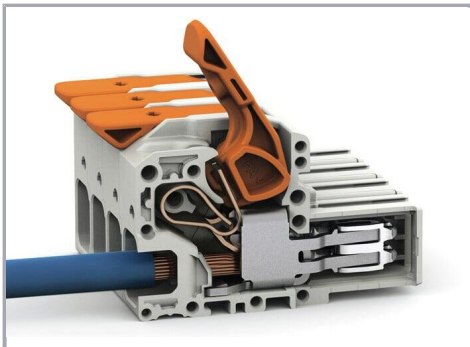
## Installation Notes

### Conductor termination



Fine-stranded wires, connected

### Conductor termination



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

## Product family

[\*MCS\* MAXI 16](#)

[Show all products from the family](#)

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

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