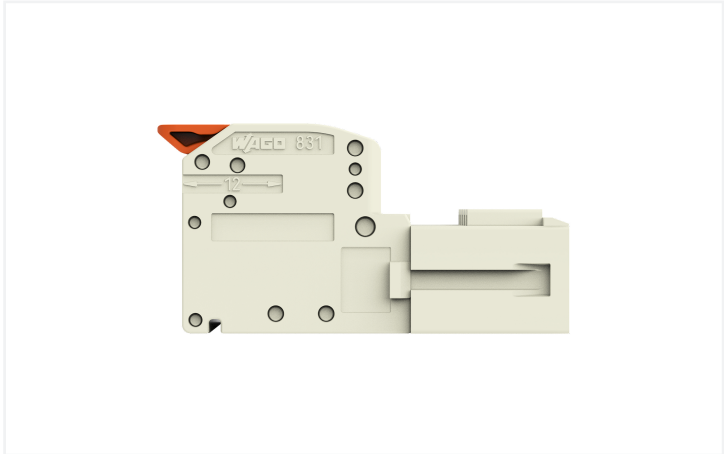
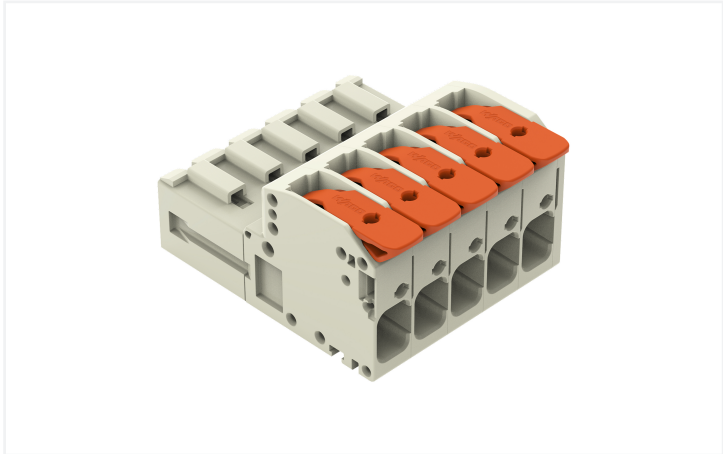


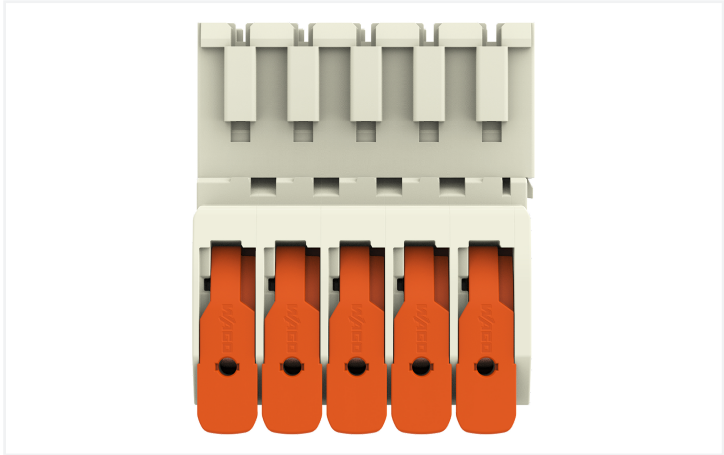
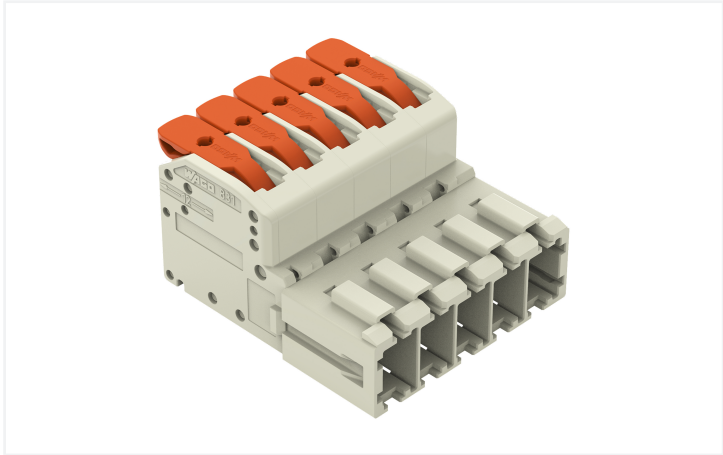
**Data Sheet | Item Number: 831-1205**

1-conductor male connector; lever; Push-in CAGE CLAMP®; 10 mm<sup>2</sup>; Pin spacing 7.62 mm; 5-pole; 100% protected against mismatching; 10,00 mm<sup>2</sup>; light gray

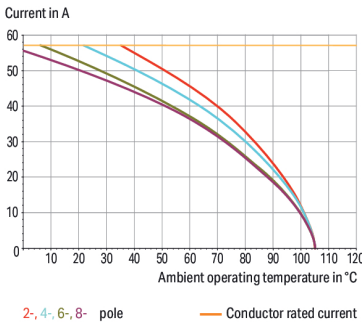
<https://www.wago.com/831-1205>



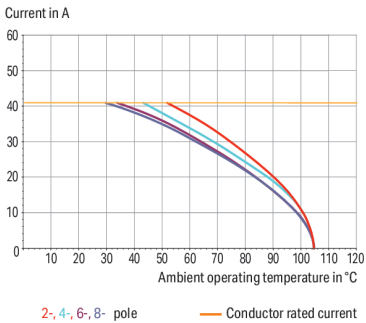
Color: ■ light gray

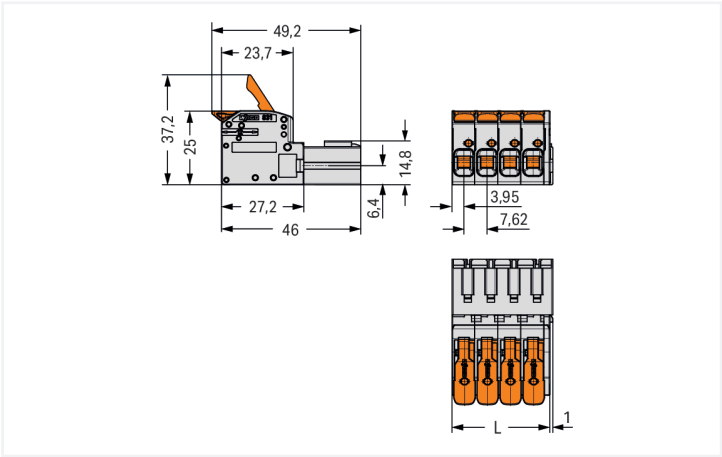


**Derating Curve**  
1-conductor female connector (831-11xx) with  
1-conductor male connector (831-12xx)  
Pin spacing: 7.62 mm / Conductor cross-section: 10 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



**Derating Curve**  
1-conductor female connector (831-11xx) with  
THT male header (831-36xx)  
Pin spacing: 7.62 mm / Conductor cross-section: 6 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8





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

Male connector, 831 Series, 0 ° conductor exit to connection direction

Our male connector (item number 831-1205) simplifies electrical installations. Ensure that the strip lengths are between 11 and 13 mm when connecting conductors to this male connector. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. The item's dimensions are (41 x 25 x 49.2) mm (width x height x depth). This male connector is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 10 mm<sup>2</sup>.

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   |

| Connection 1                                      |                                     |
|---------------------------------------------------|-------------------------------------|
| Connection technology                             | Push-in CAGE CLAMP®                 |
| Actuation type                                    | Lever                               |
| Solid conductor                                   | 0.5 ... 10 mm² / 20 ... 8 AWG       |
| Fine-stranded conductor                           | 0.5 ... 10 mm² / 20 ... 8 AWG       |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 6 mm²                       |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 6 mm²                       |
| Strip length                                      | 11 ... 13 mm / 0.43 ... 0.51 inches |
| Pole number                                       | 5                                   |
| Conductor entry direction to mating direction     | 0 °                                 |

|             |                        |
|-------------|------------------------|
| Pin spacing | 7.62 mm / 0.3 inches   |
| Width       | 40 mm / 1.575 inches   |
| Height      | 25 mm / 0.984 inches   |
| Depth       | 49.2 mm / 1.937 inches |

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

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismatching protection             | Yes                 |

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light gray                                                               |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.553 MJ                                                                 |
| Actuator color                     | orange                                                                   |
| Weight                             | 31.9 g                                                                   |



| 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                  | 4066966840421 |
| Customs tariff number | 85366930000   |

| 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 |

Downloads

Environmental Product Compliance

| Compliance Search                         |                                                                                     |
|-------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance 831-1205 |  |

Documentation

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

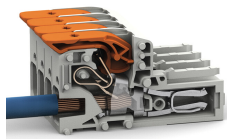
CAD/CAE-Data

| CAD data              |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| 2D/3D Models 831-1205 |  |

| CAE data              |                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------|
| ZUKEN Portal 831-1205 |  |

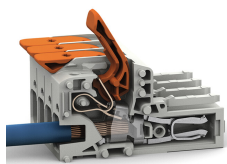
## Installation Notes

### Conductor termination



Insert solid conductors via push-in termination.

### Conductor removal



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