

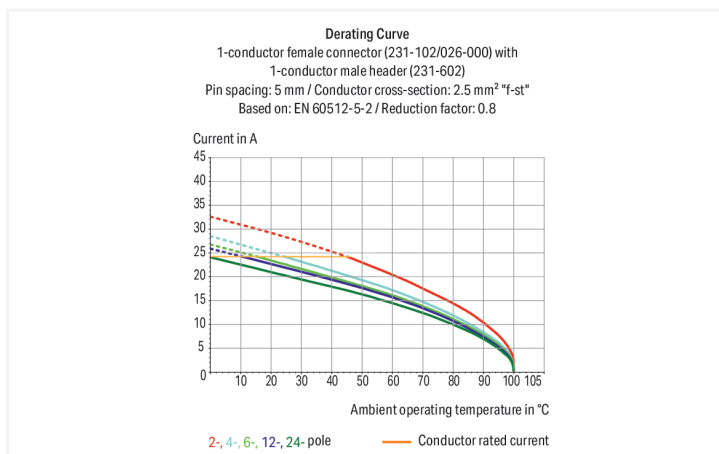
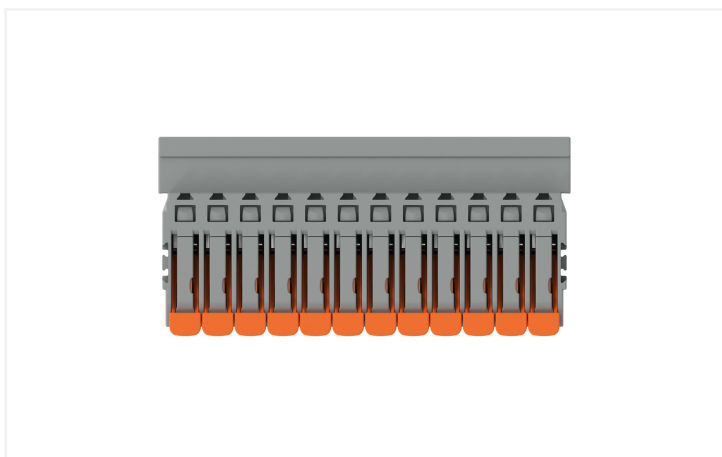
Data Sheet | Item Number: 2231-1612/000-9034

1-conductor male connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 12-pole; direct marking; 2,50 mm²; gray

<https://www.wago.com/2231-1612/000-9034>



Color: ■ gray



- Universal connection for all conductor types
- Easy wiring during cable pre-assembly and on devices thanks to vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire and board-to-wire connections
- Versions with snap-in mounting feet or flanges for surface or through-panel installation
- Can be coded

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

Gold-plated or partially gold-plated contact surfaces

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

Electrical data

| Ratings per | IEC/EN 60664-1 | | | Approvals per | UL 1059 | | |
|---------------------------------|----------------|-------|-------|---------------|-----------|---|-------|
| | III | III | II | | Use group | B | C |
| Overvoltage category | III | III | II | Use group | B | C | D |
| Pollution degree | 3 | 2 | 2 | Rated voltage | 300 V | - | 300 V |
| Nominal voltage | 320 V | 320 V | 630 V | Rated current | 16 A | - | 10 A |
| Rated impulse withstand voltage | 4 kV | 4 kV | 4 kV | | | | |
| Rated current | 16 A | 16 A | 16 A | | | | |

Ratings

| | |
|---------------|---------|
| Approvals per | UL 1977 |
| Rated voltage | 600 V |
| Rated current | 15 A |

Connection Data

| | |
|----------------------------|----|
| Clamping units | 12 |
| Total number of potentials | 12 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Lever |
| Actuation direction 1 | Operation parallel to conductor entry |
| Actuation direction 2 | Operation perpendicular to conductor entry |
| Solid conductor | 0.2 ... 2.5 mm ² / 24 ... 12 AWG |
| Fine-stranded conductor | 0.2 ... 2.5 mm ² / 24 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 1.5 mm ² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm ² |
| Strip length | 11 ... 12 mm / 0.43 ... 0.47 inches |
| Pole number | 12 |
| Conductor entry direction to mating direction | 0° |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches |
| Width | 63.2 mm / 2.488 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 | No |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | 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 _{cu}) |
| Contact Plating | Tin |
| Fire load | 0.299 MJ |
| Weight | 18.5 g |

Environmental requirements

| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
| Processing temperature | -35 ... +60 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4066966846348 |
| Customs tariff number | 85366930000 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39121409 |
| ETIM 10.0 | EC002638 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Downloads

Documentation

Additional Information

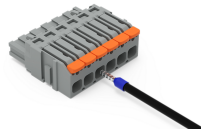
| | | | |
|-------------------|------------|-------------------|--|
| Technical Section | 03.04.2019 | pdf 2027.26 KB | |
|-------------------|------------|-------------------|--|

Installation Notes

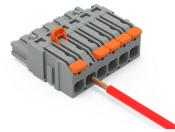
Conductor termination



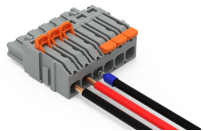
Inserting solid conductor via push-in termination.



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

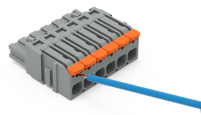
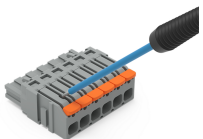


Conductor removal



Removing a conductor via lever.

Testing



Coding



Coding a 1-conductor male connector by inserting a coding pin.