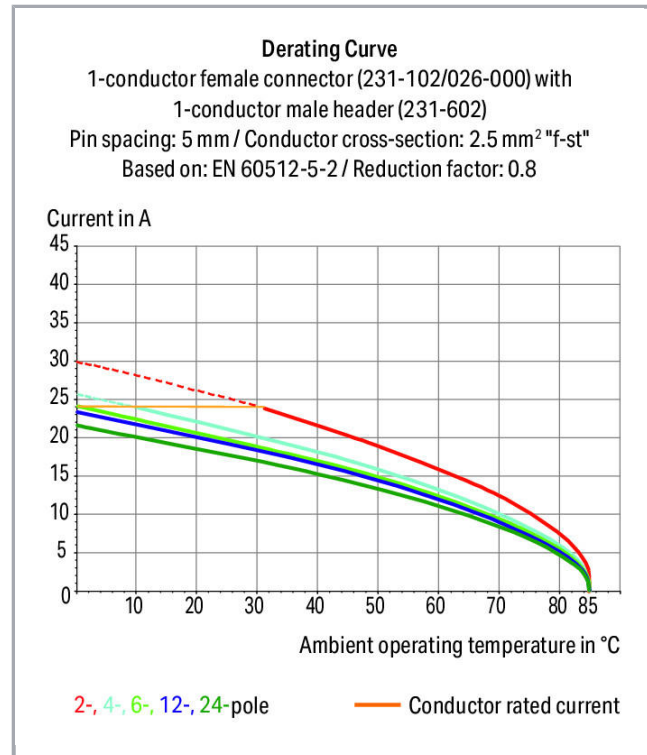


Data sheet | Item number: 231-633/019-000

1-conductor male connector; clamping collar; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 3-pole; 2,50 mm<sup>2</sup>; orange

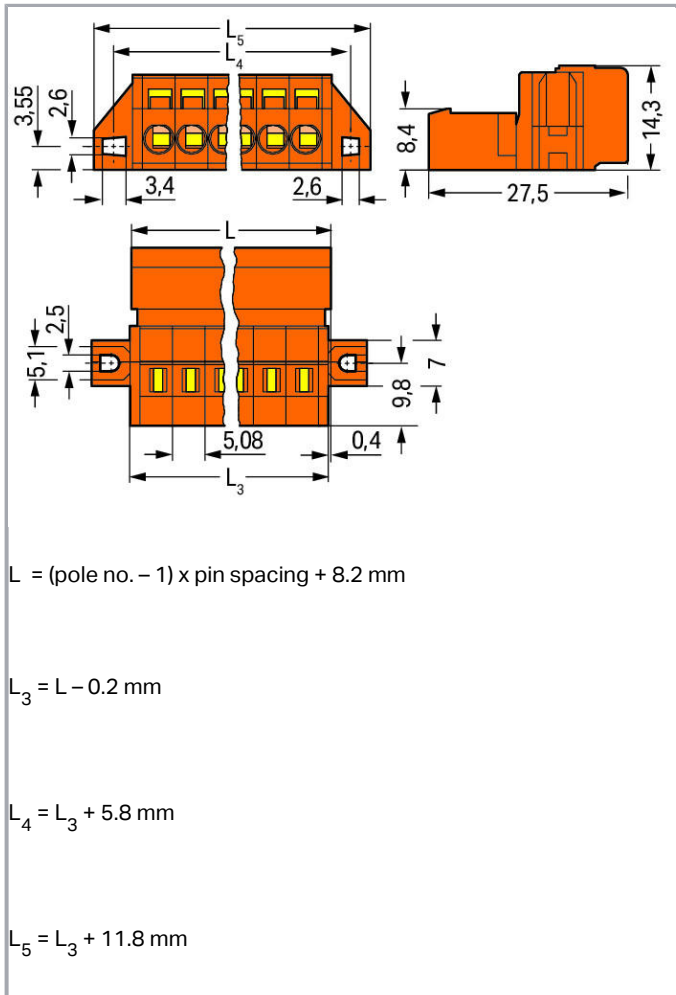
[www.wago.com/231-633\\_019-000](http://www.wago.com/231-633_019-000)



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

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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.



## Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire and board-to-wire connections
- Versions available with snap-in mounting feet or flanges for panel or through-panel mounting
- With coding fingers

### Safety information 1:

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

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

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1  |
|-----------------------------|---|
| Nominal voltage (III/3)     | 320 V   |
| Rated surge voltage (III/3) | 4 kV  |
| Rated voltage (III/2)       | 320 V   |
| Rated surge voltage (III/2) | 4 kV  |
| Nominal voltage (II/2)      | 630 V   |
| Rated surge voltage (II/2)  | 4 kV  |
| Rated current               | 12 A  |
| Legend (ratings)            | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

#### Approvals per UL 1977

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

#### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A  |

### Connection data

|   |  |
|---|--|
| Connection technology                           | CAGE CLAMP®                                  |
| Actuation type                                  | Operating tool                               |
| Solid conductor                                 | 0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor                         | 0,08 ... 2,5 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0,25 ... 1,5 mm <sup>2</sup>                 |

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



|   |                                 |
|---|---------------------------------|
| Fine-stranded conductor; with uninsulated ferrule | 0,25 ... 2,5 mm <sup>2</sup>    |
| Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inch |
| Pole No.  | 3                               |
| Total number of connection points                 | 3                               |
| Total number of potentials                        | 3                               |
| Number of connection types                        | 1                               |
| Number of levels                                  | 1                               |
| Conductor entry direction to mating direction     | 0°                              |

### Geometrical Data

|             |                       |
|-------------|-----------------------|
| Pin spacing | 5,08 mm / 0.2 inch    |
| Width       | 30,04 mm / 1.183 inch |
| Height      | 14,3 mm / 0.563 inch  |
| Depth       | 27,5 mm / 1.083 inch  |

### Mechanical data

|               |   |
|---------------|---|
| Mounting type | Mounting flange                         |
| Mounting type | Feed-through mounting<br>Panel mounting |

### Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismating protection               | No                  |

### Material Data

|                             |  |
|-----------------------------|--|
| Color                       | orange                                 |
| Material group              | I                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.109 MJ                               |
| Weight                      | 5.8 g                                  |

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

## Environmental Requirements



Limit temperature range -60 ... +100 °C

## Commercial data



|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918259705          |
| Customs tariff number | 85366990990            |

## Approvals / Certificates

### Country specific Approvals

| Logo   | Approval                                     | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | <b>CB</b><br>DEKRA Certification B.V.        | IEC 61984                | NL-39756         |
|   | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2                    | 1466354          |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 2190761.01       |

### Ship Approvals

| Logo   | Approval  | Additional Approval Text | Certificate name         |
|--|---|--------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping               | -                        | 19-<br>HG1869876-<br>PDA |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE000016Z               |

### UL-Approvals

| Logo | Approval  | Additional Approval Text | Certificate name |
|------|-----------|--------------------------|------------------|
|      | <b>UL</b> | UL 1977                  | E45171           |

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



UL International Germany GmbH



UR  
Underwriters Laboratories Inc.

UL 1059

E45172

## Counterpart



Item no.231-303/026-000  
1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 3-pole; 2,50 mm<sup>2</sup>; orange

[www.wago.com/231-303/026-000](http://www.wago.com/231-303/026-000)



Item no.232-163  
THT female header; 0.6 x 1.0 mm solder pin; straight; Pin spacing 5.08 mm; 3-pole; orange

[www.wago.com/232-163](http://www.wago.com/232-163)



Item no.232-263  
THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 5.08 mm; 3-pole; orange

[www.wago.com/232-263](http://www.wago.com/232-263)

## Compatible products

### General accessories



Item no.: 231-669  
Lockout caps; for covering unused clamping units; orange

[www.wago.com/231-669](http://www.wago.com/231-669)

### assembling



Item no.: 209-147  
Self-tapping screw

[www.wago.com/209-147](http://www.wago.com/209-147)




















Item no.: 231-194  
Self-tapping screw; B 2.2x13, fixing hole 1.8 mm Ø

[www.wago.com/231-194](http://www.wago.com/231-194)











Item no.: 231-195

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












|  |   |  |
|--|---|--|
|    | Screw with nut; M2x12; for fixing element   | <a href="http://www.wago.com/231-195">www.wago.com/231-195</a> |
|    | <b>Item no.:</b> 231-295<br>Screw with nut  | <a href="http://www.wago.com/231-295">www.wago.com/231-295</a> |
| <b>tools</b>   |   |  |
|    | <b>Item no.:</b> 209-130<br>Operating tool; suitable for 264, 280 and 281 Series; 1-way; of insulating material | <a href="http://www.wago.com/209-130">www.wago.com/209-130</a> |
|    | <b>Item no.:</b> 209-132<br>Operating tool; for connecting comb-style jumper bar; 2-way; of insulating material | <a href="http://www.wago.com/209-132">www.wago.com/209-132</a> |
|    | <b>Item no.:</b> 210-657<br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short        | <a href="http://www.wago.com/210-657">www.wago.com/210-657</a> |
|    | <b>Item no.:</b> 210-720<br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft               | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |
|    | <b>Item no.:</b> 231-131<br>Push-button; loose  | <a href="http://www.wago.com/231-131">www.wago.com/231-131</a> |
|    | <b>Item no.:</b> 231-291<br>Operating tool; loose; red  | <a href="http://www.wago.com/231-291">www.wago.com/231-291</a> |
|    | <b>Item no.:</b> 280-432<br>Operating tool; made of insulating material; 2-way                                  | <a href="http://www.wago.com/280-432">www.wago.com/280-432</a> |
|  | <b>Item no.:</b> 280-433<br>Operating tool; made of insulating material; 3-way                                  | <a href="http://www.wago.com/280-433">www.wago.com/280-433</a> |
|  | <b>Item no.:</b> 280-434<br>Operating tool; made of insulating material; 4-way                                  | <a href="http://www.wago.com/280-434">www.wago.com/280-434</a> |
|   | <b>Item no.:</b> 280-435<br>Operating tool; made of insulating material; 5-way; gray                            | <a href="http://www.wago.com/280-435">www.wago.com/280-435</a> |
|  | <b>Item no.:</b> 280-436<br>Operating tool; made of insulating material; 6-way                                  | <a href="http://www.wago.com/280-436">www.wago.com/280-436</a> |
|  | <b>Item no.:</b> 280-437<br>Operating tool; made of insulating material; 7-way                                  | <a href="http://www.wago.com/280-437">www.wago.com/280-437</a> |
|  | <b>Item no.:</b> 280-438<br>Operating tool; made of insulating material; 8-way                                  | <a href="http://www.wago.com/280-438">www.wago.com/280-438</a> |
|  | <b>Item no.:</b> 280-440<br>Operating tool; made of insulating material; 10-way                                 | <a href="http://www.wago.com/280-440">www.wago.com/280-440</a> |
| <b>Strain relief plate</b>   |   |  |
|  | <b>Item no.:</b> 232-633<br>Strain relief housing; orange   | <a href="http://www.wago.com/232-633">www.wago.com/232-633</a> |

**Marking accessories**















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

|  |   |  |
|--|---|--|
|  | <b>Item no.: 210-331/508-103</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-12 (200x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white  | <a href="http://www.wago.com/210-331/508-103">www.wago.com/210-331/508-103</a> |
|  | <b>Item no.: 210-331/508-104</b><br>Marking strips; as a DIN A4 sheet; MARKED; 13-24 (200x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="http://www.wago.com/210-331/508-104">www.wago.com/210-331/508-104</a> |
|  | <b>Item no.: 210-332/508-202</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white             | <a href="http://www.wago.com/210-332/508-202">www.wago.com/210-332/508-202</a> |
|  | <b>Item no.: 210-332/508-204</b><br>Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white            | <a href="http://www.wago.com/210-332/508-204">www.wago.com/210-332/508-204</a> |
|  | <b>Item no.: 210-332/508-205</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white              | <a href="http://www.wago.com/210-332/508-205">www.wago.com/210-332/508-205</a> |
|  | <b>Item no.: 210-332/508-206</b><br>Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white            | <a href="http://www.wago.com/210-332/508-206">www.wago.com/210-332/508-206</a> |
|    | <b>Item no.: 210-833</b><br>Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-833">www.wago.com/210-833</a>                 |
|   | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-834">www.wago.com/210-834</a>                 |
| <b>ferrule</b>   |   |  |
|  | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a>                 |
|  | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a>                 |
|  | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a>                 |
|  | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-104">www.wago.com/216-104</a>                 |
|  | <b>Item no.: 216-106</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-106">www.wago.com/216-106</a>                 |
|  | <b>Item no.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-121">www.wago.com/216-121</a>                 |
|  | <b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-122">www.wago.com/216-122</a>                 |
|  | <b>Item no.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-123">www.wago.com/216-123</a>                 |






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

|  |  |  |
|--|--|--|
|    | <b>Item no.: 216-124</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-124">www.wago.com/216-124</a> |
|    | <b>Item no.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-131">www.wago.com/216-131</a> |
|    | <b>Item no.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-132">www.wago.com/216-132</a> |
|    | <b>Item no.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92  | <a href="http://www.wago.com/216-141">www.wago.com/216-141</a> |
|    | <b>Item no.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | <a href="http://www.wago.com/216-142">www.wago.com/216-142</a> |
|    | <b>Item no.: 216-143</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92    | <a href="http://www.wago.com/216-143">www.wago.com/216-143</a> |
|    | <b>Item no.: 216-144</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92  | <a href="http://www.wago.com/216-144">www.wago.com/216-144</a> |
|    | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-151">www.wago.com/216-151</a> |
|    | <b>Item no.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-152">www.wago.com/216-152</a> |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white   | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray   | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red   | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black   | <a href="http://www.wago.com/216-204">www.wago.com/216-204</a> |
|  | <b>Item no.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white   | <a href="http://www.wago.com/216-221">www.wago.com/216-221</a> |
|  | <b>Item no.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray   | <a href="http://www.wago.com/216-222">www.wago.com/216-222</a> |
|  | <b>Item no.: 216-223</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red   | <a href="http://www.wago.com/216-223">www.wago.com/216-223</a> |
|  | <b>Item no.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black   | <a href="http://www.wago.com/216-224">www.wago.com/216-224</a> |
|  | <b>Item no.: 216-241</b>   |  |

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

|  |  |  |
|--|--|--|
|     | Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|  | <b>Item no.: 216-242</b>   |  |
|     | Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|  | <b>Item no.: 216-243</b>   |  |
|     | Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
|  | <b>Item no.: 216-244</b>   |  |
|     | 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 | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
|  | <b>Item no.: 216-262</b>   |  |
|     | Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |
|  | <b>Item no.: 216-263</b>   |  |
|     | Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
|  | <b>Item no.: 216-264</b>   |  |
|     | 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 | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
|  | <b>Item no.: 216-284</b>   |  |
|     | 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 | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|  | <b>Item no.: 216-301</b>   |  |
|  | Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow   | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |
|  | <b>Item no.: 216-302</b>   |  |
|   | Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green  | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |
|  | <b>Item no.: 216-321</b>   |  |
|  | Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow   | <a href="http://www.wago.com/216-321">www.wago.com/216-321</a> |
|  | <b>Item no.: 216-322</b>   |  |
|   | Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green  | <a href="http://www.wago.com/216-322">www.wago.com/216-322</a> |
| <b>Coding</b>  |  |  |
|  | <b>Item no.: 231-129</b><br>Coding key; snap-on type; light gray   | <a href="http://www.wago.com/231-129">www.wago.com/231-129</a> |
| <b>Insulation stop</b>   |  |  |
|  | <b>Item no.: 231-670</b><br>Insulation stop; 0.08-0.2 mm <sup>2</sup> / 0.2 mm <sup>2</sup> "s"; white   | <a href="http://www.wago.com/231-670">www.wago.com/231-670</a> |
|  | <b>Item no.: 231-671</b><br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; light gray   | <a href="http://www.wago.com/231-671">www.wago.com/231-671</a> |
|  | <b>Item no.: 231-672</b><br>Insulation stop; 0.75 - 1 mm <sup>2</sup> ; dark gray  | <a href="http://www.wago.com/231-672">www.wago.com/231-672</a> |
| <b>Jumper</b>  |  |  |

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

|  |  |  |
|--|--|--|
|  | <b>Item no.: 231-902</b><br>Jumper; for conductor entry; gray                    | <a href="http://www.wago.com/231-902">www.wago.com/231-902</a> |
|  | <b>Item no.: 231-903</b><br>Jumper; for conductor entry; 3-way; insulated; gray  | <a href="http://www.wago.com/231-903">www.wago.com/231-903</a> |
|  | <b>Item no.: 231-905</b><br>Jumper; for conductor entry; 5-way; insulated; gray  | <a href="http://www.wago.com/231-905">www.wago.com/231-905</a> |
|  | <b>Item no.: 231-907</b><br>Jumper; for conductor entry; 7-way; insulated; gray  | <a href="http://www.wago.com/231-907">www.wago.com/231-907</a> |
|  | <b>Item no.: 231-910</b><br>Jumper; for conductor entry; 10-way; insulated; gray | <a href="http://www.wago.com/231-910">www.wago.com/231-910</a> |

## Downloads

### CAD/CAE-Data

#### CAD data

|                              |                     |                          |
|------------------------------|---------------------|--------------------------|
| 2D/3D Models 231-633/019-000 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------------|---------------------|--------------------------|

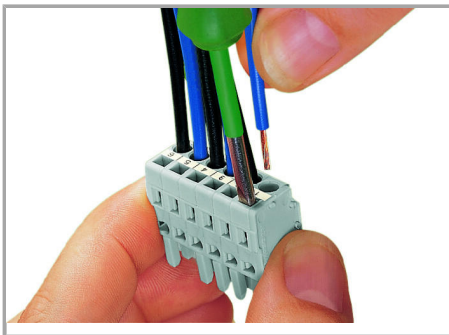
#### CAE data

|                                   |                     |                          |
|-----------------------------------|---------------------|--------------------------|
| EPLAN Data Portal 231-633/019-000 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------------------|---------------------|--------------------------|

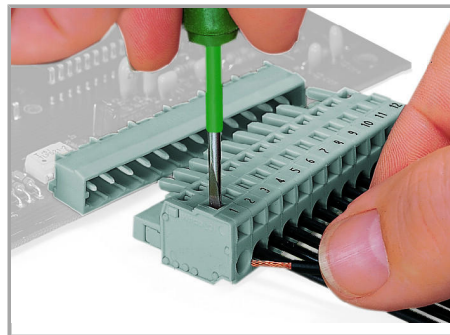
|                              |                     |                          |
|------------------------------|---------------------|--------------------------|
| ZUKEN Portal 231-633/019-000 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------------|---------------------|--------------------------|

## Installation Notes

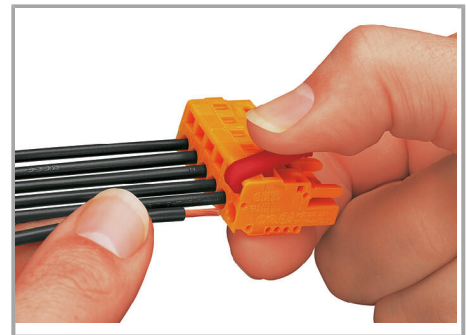
### Conductor termination



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.

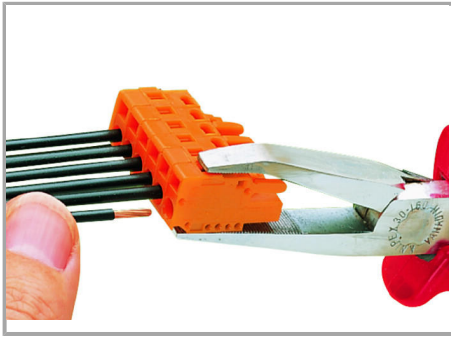


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



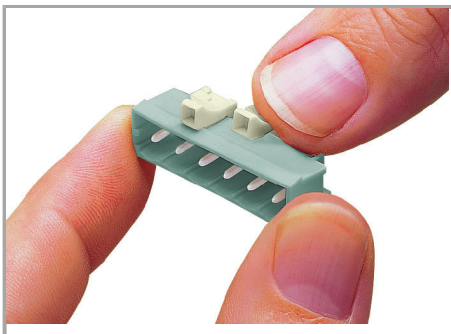
Inserting a conductor into CAGE CLAMP® unit via operating lever (231-291).

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



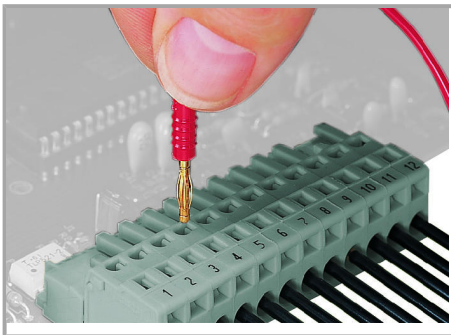
Inserting a conductor via operating tool.

### Coding



Coding a male header – fitting coding key(s).

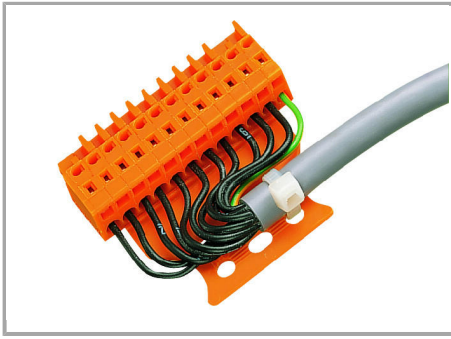
### Testing



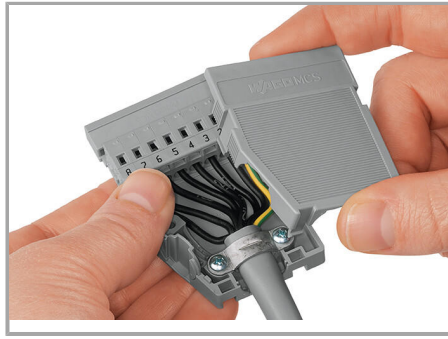
Testing perpendicular to conductor entry via 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP®.

### Installation

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

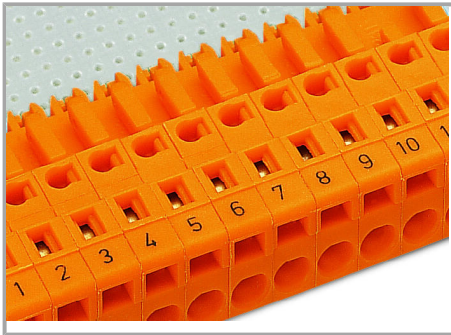


Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®

### Marking



Labeling via direct marking or self-adhesive strips.

### Product family

*MCS* MIDI Classic

[Show all products from the family](#)

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