

Data sheet | Item number: 231-653/018-000

Male connector; 23-pole; Pin spacing 5.08 mm ; snap-in mounting feet; orange



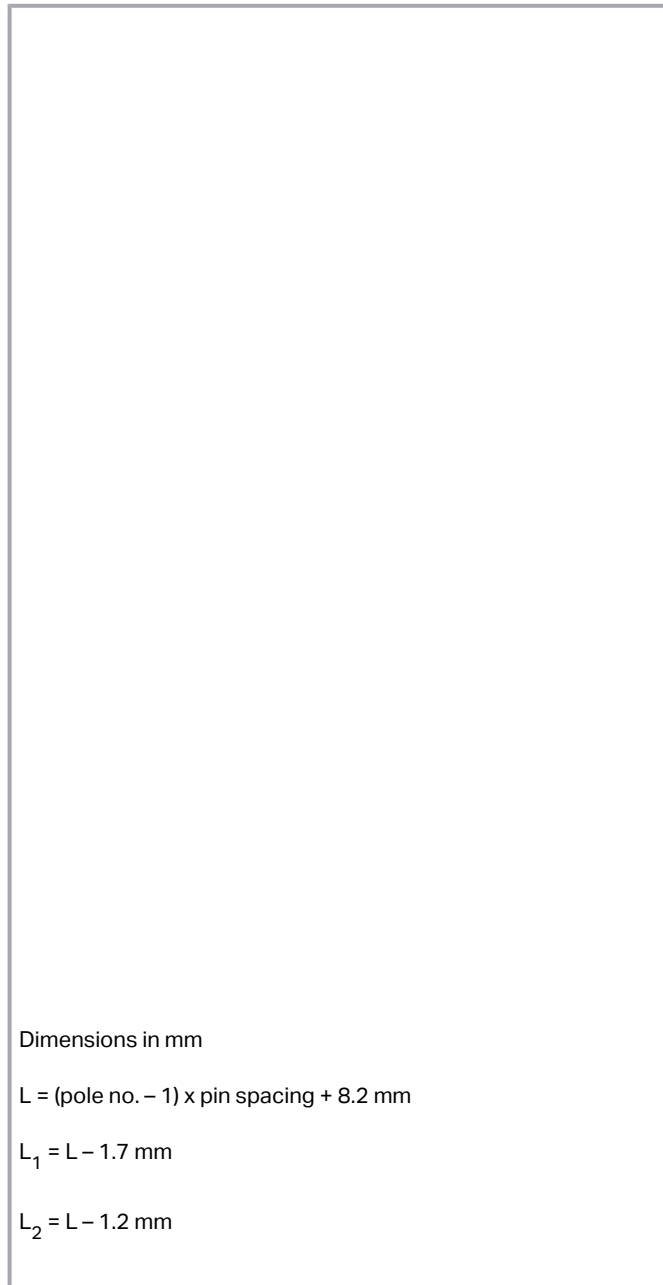
[www.wago.com/231-653\\_018-000](http://www.wago.com/231-653_018-000)



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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$

$L_1 = L - 1.7 \text{ mm}$

$L_2 = L - 1.2 \text{ mm}$

### 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

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- With coding fingers

## Data

### Notes

#### 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.

#### 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

### IEC Approvals

| Ratings per                 | IEC/EN 60664-1  |
|-----------------------------|---|
| Rated 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) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

### UL Approvals

| 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    |

### Ratings per UL

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

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## CSA Approvals

| 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

|                                   |    |
|-----------------------------------|----|
| Total number of connection points | 23 |
| Total number of potentials        | 23 |
| Number of connection types        | 1  |
| Number of levels                  | 1  |

## Connection 1

|   |  |
|---|--|
| 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>                 |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm <sup>2</sup>                 |
| Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inch              |
| Number of poles                                   | 23   |
| Conductor entry direction to mating direction     | 0°   |

## Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5.08 mm / 0.2 inch     |
| Width                   | 120.04 mm / 4.726 inch |
| Height                  | 18.8 mm / 0.74 inch    |
| Height from the surface | 14.3 mm / 0.563 inch   |
| Depth                   | 27.5 mm / 1.083 inch   |

## Mechanical data

|                         |                                       |
|-------------------------|---------------------------------------|
| Housing sheet thickness | 0.6 ... 1.2 mm / 0.024 ... 0.047 inch |
| Mounting type           | Snap-in foot                          |
| Mounting type           | Panel mounting                        |

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## Plug-in connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismating protection               | No                  |
| Locking of plug-in connection      | Without             |

## Material data

|                             |  |
|-----------------------------|--|
| Color                       | orange                                 |
| Material group              | I                                      |
| Insulation material         | 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-plated                             |
| Fire load                   | 0.574 MJ                               |
| Weight                      | 33.8 g                                 |

## Environmental requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 10 Stück               |
| Packaging type        | box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918261319          |
| Customs tariff number | 8536694040             |

## 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          |

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KEMA/KEUR  
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>BV</b><br>Bureau Veritas S.A.                        | IEC 60998                | 11915/D0<br>BV           |
|   | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE000016Z               |

### UL-Approvals

| Logo   | Approval                                    | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | <b>UL</b><br>UL International Germany GmbH  | UL 1977                  | E45171           |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

### Counterpart



Item no.231-323/026-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 23-pole; 2,50 mm²; orange

[www.wago.com/231-323/026-000](http://www.wago.com/231-323/026-000)















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## Optional accessories

### Tools

| Operating tool   |   |  |
|--|---|--|
|    | <b>Item no.: 209-130</b><br>Operating tool; suitable for 264, 280 and 281 Series; 1-way; of insulating material; white  | <a href="http://www.wago.com/209-130">www.wago.com/209-130</a> |
|    | <b>Item no.: 209-132</b><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.: 231-159</b><br>Operating tool; natural   | <a href="http://www.wago.com/231-159">www.wago.com/231-159</a> |
|    | <b>Item no.: 210-250</b><br>Operating tool; for MCS MINI & MIDI with CAGE CLAMP® connection; red                        | <a href="http://www.wago.com/210-250">www.wago.com/210-250</a> |
|    | <b>Item no.: 231-231</b><br>Combination operating tool; red   | <a href="http://www.wago.com/231-231">www.wago.com/231-231</a> |
|    | <b>Item no.: 210-657</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured | <a href="http://www.wago.com/210-657">www.wago.com/210-657</a> |
|    | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured        | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a> |
|   | <b>Item no.: 231-131</b><br>Operating tool; made of insulating material; 1-way; loose; white                            | <a href="http://www.wago.com/231-131">www.wago.com/231-131</a> |
|  | <b>Item no.: 231-291</b><br>Operating tool; made of insulating material; 1-way; loose; red                              | <a href="http://www.wago.com/231-291">www.wago.com/231-291</a> |
|  | <b>Item no.: 280-432</b><br>Operating tool; made of insulating material; 2-way; white                                   | <a href="http://www.wago.com/280-432">www.wago.com/280-432</a> |
|  | <b>Item no.: 280-434</b><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.: 280-437</b><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.: 280-440</b><br>Operating tool; made of insulating material; 10-way   | <a href="http://www.wago.com/280-440">www.wago.com/280-440</a> |
|  | <b>Item no.: 280-435</b><br>Operating tool; made of insulating material; 5-way; gray                                    | <a href="http://www.wago.com/280-435">www.wago.com/280-435</a> |

**Item no.: 280-436**

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

|  |   |  |
|--|---|--|
|    | 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.: 280-438</b><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.: 280-433</b><br>Operating tool; made of insulating material; 3-way  | <a href="http://www.wago.com/280-433">www.wago.com/280-433</a> |
| <b>Mounting</b>  |   |  |
| Mounting accessories   |   |  |
|    | <b>Item no.: 209-137</b><br>Mounting adapter; can be used as end stop; 6.5 mm wide; gray                                      | <a href="http://www.wago.com/209-137">www.wago.com/209-137</a> |
| <b>Coding</b>  |   |  |
| Coding   |   |  |
|    | <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>Jumpers</b>   |   |  |
| Jumper   |   |  |
|    | <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.: 231-903</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.: 231-907</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> |
|  | <b>Item no.: 231-902</b><br>Jumper; for conductor entry; 2-way; insulated; gray   | <a href="http://www.wago.com/231-902">www.wago.com/231-902</a> |
| <b>Cover</b>   |   |  |
| Cover  |   |  |
|  | <b>Item no.: 231-669</b><br>Lockout caps; for covering unused clamping units; orange  | <a href="http://www.wago.com/231-669">www.wago.com/231-669</a> |
| <b>Ferrules</b>  |   |  |
| Ferrule  |   |  |
|   | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|   | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored | <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; silver-colored | <a href="http://www.wago.com/216-106">www.wago.com/216-106</a> |

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





|   |  |
|---|--|
| <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored  | <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.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored   | <a href="http://www.wago.com/216-123">www.wago.com/216-123</a> |
| <b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-122">www.wago.com/216-122</a> |
| <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.: 216-142</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.: 216-132</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.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored   | <a href="http://www.wago.com/216-121">www.wago.com/216-121</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.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored  | <a href="http://www.wago.com/216-131">www.wago.com/216-131</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.: 216-152</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.: 216-203</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.: 216-202</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.: 216-151</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.: 216-204</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.: 216-144</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; silver-colored | <a href="http://www.wago.com/216-144">www.wago.com/216-144</a> |
| <b>Item no.: 216-201</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; white

[www.wago.com/216-201](http://www.wago.com/216-201)

**Item no.: 216-223**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red

[www.wago.com/216-223](http://www.wago.com/216-223)

**Item no.: 216-241**

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

[www.wago.com/216-241](http://www.wago.com/216-241)

**Item no.: 216-242**

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

[www.wago.com/216-242](http://www.wago.com/216-242)

**Item no.: 216-222**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray

[www.wago.com/216-222](http://www.wago.com/216-222)

**Item no.: 216-221**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white

[www.wago.com/216-221](http://www.wago.com/216-221)

**Item no.: 216-224**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

[www.wago.com/216-224](http://www.wago.com/216-224)

**Item no.: 216-243**

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

[www.wago.com/216-243](http://www.wago.com/216-243)

**Item no.: 216-244**

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/216-244](http://www.wago.com/216-244)

**Item no.: 216-263**

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

[www.wago.com/216-263](http://www.wago.com/216-263)

**Item no.: 216-264**

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/216-264](http://www.wago.com/216-264)

**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.: 216-262**

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

[www.wago.com/216-262](http://www.wago.com/216-262)

**Item no.: 216-301**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

[www.wago.com/216-301](http://www.wago.com/216-301)

**Item no.: 216-321**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

[www.wago.com/216-321](http://www.wago.com/216-321)

**Item no.: 216-322**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; green

[www.wago.com/216-322](http://www.wago.com/216-322)

**Item no.: 216-302**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise

[www.wago.com/216-302](http://www.wago.com/216-302)

**Marking accessories**

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.

Marking strip

|  |   |
|--|---|
| <p><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</p>  | <p><a href="http://www.wago.com/210-331/508-103">www.wago.com/210-331/508-103</a></p> |
| <p><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</p> | <p><a href="http://www.wago.com/210-331/508-104">www.wago.com/210-331/508-104</a></p> |
| <p><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</p>             | <p><a href="http://www.wago.com/210-332/508-202">www.wago.com/210-332/508-202</a></p> |
| <p><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</p>            | <p><a href="http://www.wago.com/210-332/508-204">www.wago.com/210-332/508-204</a></p> |
| <p><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</p>            | <p><a href="http://www.wago.com/210-332/508-206">www.wago.com/210-332/508-206</a></p> |
| <p><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</p>              | <p><a href="http://www.wago.com/210-332/508-205">www.wago.com/210-332/508-205</a></p> |

Insulations stops

Insulation stop

|  |   |
|--|---|
|  <p><b>Item no.: 231-672</b><br/>                 Insulation stop; 0.75 - 1 mm<sup>2</sup>; dark gray</p>                      | <p><a href="http://www.wago.com/231-672">www.wago.com/231-672</a></p> |
|  <p><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</p> | <p><a href="http://www.wago.com/231-670">www.wago.com/231-670</a></p> |
|  <p><b>Item no.: 231-671</b><br/>                 Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; light gray</p>                   | <p><a href="http://www.wago.com/231-671">www.wago.com/231-671</a></p> |

Mounting adapter

Mounting accessories

|   |   |
|---|---|
|  <p><b>Item no.: 209-148</b><br/>                 Multi mounting adapter; for DIN-35 rail; 25 mm wide; gray</p> | <p><a href="http://www.wago.com/209-148">www.wago.com/209-148</a></p> |
|---|---|

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



## Downloads

### Documentation

#### Additional Information

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Technical explanations | 2019 Apr 3 | pdf<br>2.0 MB | Download |
|------------------------|------------|---------------|----------|

### CAD files

#### CAE data

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 231-653/018-000 | URL | Download |
|-----------------------------------|-----|----------|

|                              |     |          |
|------------------------------|-----|----------|
| ZUKEN Portal 231-653/018-000 | URL | Download |
|------------------------------|-----|----------|

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 231-653/018-000 | URL | Download |
|-----------------------------------|-----|----------|

#### CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 231-653/018-000 | URL | Download |
|------------------------------|-----|----------|

### Environmental Product Compliance

#### Compliance Search

|  |     |          |
|--|-----|----------|
| Environmental Product Compliance 231-653/018-000 | URL | Download |
|--|-----|----------|

1-conductor male connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 23-pole;  
Snap-in mounting feet; 2,50 mm<sup>2</sup>; orange

### Installation Notes

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



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.

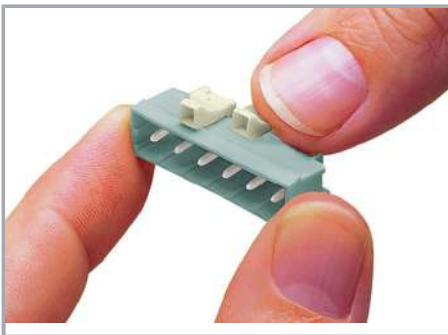


Inserting a conductor into CAGE CLAMP® unit via operating lever (231-291).



Inserting a conductor via operating tool.

### Coding



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

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



Testing – female connector with CAGE CLAMP®

Integrated test ports for testing perpendicular to conductor entry via 2 or 2.3 mm Ø test plug

### Installation



Male connector with strain relief plate



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

### Marking

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

Data sheet | Item number: 231-653/018-000

[www.wago.com/231-653\\_018-000](http://www.wago.com/231-653_018-000)



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!

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