

**Data sheet | Item number: 2734-203**

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 1,50 mm<sup>2</sup>; orange

[www.wago.com/2734-203](http://www.wago.com/2734-203)



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.



Dimensions in mm

$L = \text{pole no.} \times \text{pin spacing}$

$L_1 = (\text{pole no.} \times \text{pin spacing}) + 2.1 \text{ mm}$

## Item description

- Universal connection for all conductor types
- Easy-to-use design does not require specialty tools
- Ability to wire while mated
- Simple, push-in termination of solid and ferruled conductors
- Integrated test ports for testing parallel to the conductor entry
- 100% protected against mismating

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- 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  
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

| Ratings per                   | IEC/EN 60664-1  |
|-------------------------------|---|
| Nominal voltage (III/3)       | 160 V   |
| Rated impulse voltage (III/3) | 2.5 kV  |
| Rated voltage (III/2)         | 160 V   |
| Rated impulse voltage (III/2) | 2.5 kV  |
| Nominal voltage (II/2)        | 320 V   |
| Rated surge voltage (II/2)    | 2.5 kV  |
| Rated current                 | 10 A  |
| Legend (ratings)              | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

### Ratings per UL

| Approvals per                  | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 10 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

### Ratings per CSA

| Approvals per | CSA |
|---------------|-----|
|---------------|-----|

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

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Connection 1

|   |   |
|---|---|
| Connection technology                             | Push-in CAGE CLAMP®                         |
| Actuation type                                    | Push-button                                 |
| Actuation direction 1                             | Operation parallel to conductor entry       |
| Solid conductor                                   | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG |
| Fine-stranded conductor                           | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 0.75 mm <sup>2</sup>               |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm <sup>2</sup>                |
| Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches           |
| Pole number                                       | 3   |
| Conductor entry direction to mating direction     | 0°  |

### Physical data

|             |                         |
|-------------|-------------------------|
| Pin spacing | 3.81 mm / 0.15 inches   |
| Width       | 13.53 mm / 0.533 inches |
| Height      | 13.5 mm / 0.531 inches  |
| Depth       | 20.4 mm / 0.803 inches  |

### Mechanical Data

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

### Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |

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



|                                      |      |
|--------------------------------------|------|
| 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                       | orange   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                        |
| Contact material            | Copper alloy   |
| Contact plating             | Tin  |
| Fire load                   | 0.06 MJ  |
| Weight                      | 2.9 g  |

## Environmental requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| eCl@ss 10.0           | 27-44-03-09            |
| eCl@ss 9.0            | 27-44-03-09            |
| ETIM 8.0              | EC002638               |
| ETIM 7.0              | EC002638               |
| PU (SPU)              | 200 pcs                |
| Packaging type        | box                    |
| Country of origin     | PL                     |
| GTIN                  | 4055143284585          |
| Customs tariff number | 85366990990            |

## Environmental Product Compliance

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

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



## Approvals / Certificates

### General approvals

| Logo | Approval                                    | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
|      | <b>CCA</b><br>DEKRA Certification B.V.      | IEC 61984                | NL-23611         |
|      | <b>CCA</b><br>DEKRA Certification B.V.      | EN 61984                 | 2147056.01       |
|      | <b>CSA</b><br>DEKRA Certification B.V.      | C22.2 No. 158            | 2314554          |
|      | <b>UL</b><br>Underwriters Laboratories Inc. | UL 1977                  | E 45171          |
|      | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

### Counterpart

|   |  |
|---|--|
| <b>Item no.734-333</b><br>1-conductor male connector; CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.81 mm; 3-pole; 100% protected against mismatching; 1,50 mm <sup>2</sup> ; orange | <a href="http://www.wago.com/734-333">www.wago.com/734-333</a> |
| <b>Item no.734-233</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 3-pole; orange                                   | <a href="http://www.wago.com/734-233">www.wago.com/734-233</a> |
| <b>Item no.734-263</b><br>THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 3-pole; orange                                     | <a href="http://www.wago.com/734-263">www.wago.com/734-263</a> |

### Optional accessories

#### Strain relief

|   |  |
|---|--|
| Strain relief plate   |  |
| <b>Item no.: 734-227</b><br>Strain relief plate; for female and male connectors; 6 mm wide; 1 part; Pin spacing 3.81 mm; orange | <a href="http://www.wago.com/734-227">www.wago.com/734-227</a> |

#### Tool

|  |  |
|--|--|
| Operating tool   |  |
| <b>Item no.: 210-250</b><br>Operating tool; for MCS MINI and MIDI with CAGE CLAMP® connection; red               | <a href="http://www.wago.com/210-250">www.wago.com/210-250</a> |
| <b>Item no.: 210-251</b><br>Operating tool; for MCS MICRO and MINI with CAGE CLAMP® connection; yellow           | <a href="http://www.wago.com/210-251">www.wago.com/210-251</a> |
| <b>Item no.: 210-647</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |

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



|  |  |
|--|--|
| <b>Item no.: 210-719</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft  | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |
| <b>Item no.: 734-230</b><br>Operating tool; made of insulating material; 1-way; white  | <a href="http://www.wago.com/734-230">www.wago.com/734-230</a> |
| <b>Item no.: 734-190</b><br>Combination operating tool; natural  | <a href="http://www.wago.com/734-190">www.wago.com/734-190</a> |
| <b>Item no.: 734-191</b><br>Operating tool; made of insulating material; 1-way; loose; black   | <a href="http://www.wago.com/734-191">www.wago.com/734-191</a> |
| <b>Item no.: 734-231</b><br>Operating tool; black  | <a href="http://www.wago.com/734-231">www.wago.com/734-231</a> |
| <b>Ferrule</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.: 216-102</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.: 216-122</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.: 216-142</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.: 216-131</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.: 216-202</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.: 216-201</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.: 216-241</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><br>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.: 216-222</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.: 216-221</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.: 216-262</b><br>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.: 216-301</b><br>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.: 216-321</b><br>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><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise  | <a href="http://www.wago.com/216-322">www.wago.com/216-322</a> |
| <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise  | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |

## Downloads

### Documentation

#### Additional Information

|  |            |               |          |
|--|------------|---------------|----------|
|  | 2019 年4月3日 | pdf<br>2.0 MB | Download |
|--|------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                       |     |          |
|-----------------------|-----|----------|
| 2D/3D Models 2734-203 | URL | Download |
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### CAE data

|                       |     |          |
|-----------------------|-----|----------|
| ZUKEN Portal 2734-203 | URL | Download |
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## Environmental Product Compliance

### Compliance Search

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

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Environmental Product Compliance 2734-203

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## Installation Notes

### Conductor termination

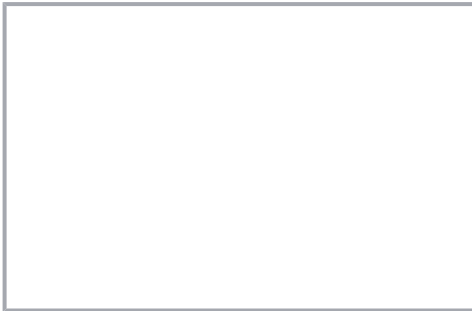


Conductor termination Inserting fine-stranded conductors into Push-in CAGE CLAMP® unit via push-buttons.



Push-in termination of solid conductors and fine-stranded conductors with ferrules

### Testing



Testing via 1 mm Ø test pin (735-500).

Push-in CAGE CLAMP® termination – parallel to conductor entry

### Marking

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



Labeling via direct marking or self-adhesive strips.

#### Installation



Strain relief housing for 734 Series Male and Female Connectors with CAGE CLAMP® connection

#### Product family

**MCS MINI**

[Show all products from the family](#)

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