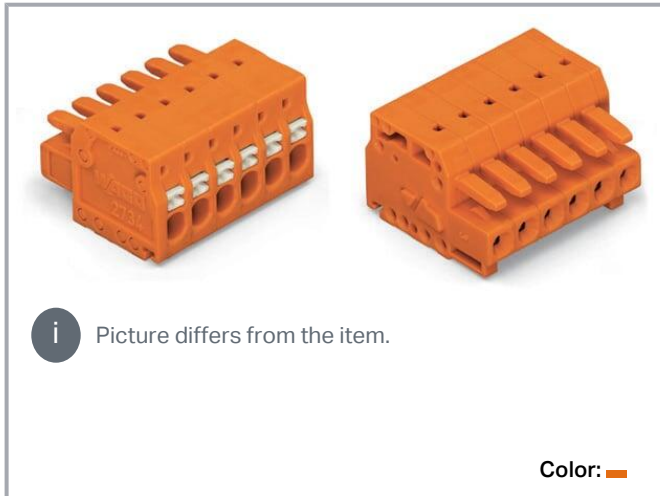


## Data sheet | Item number: 2734-214

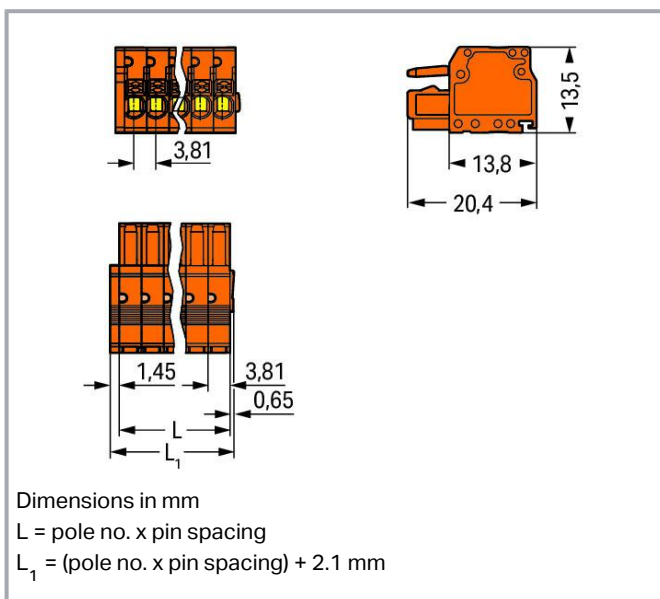
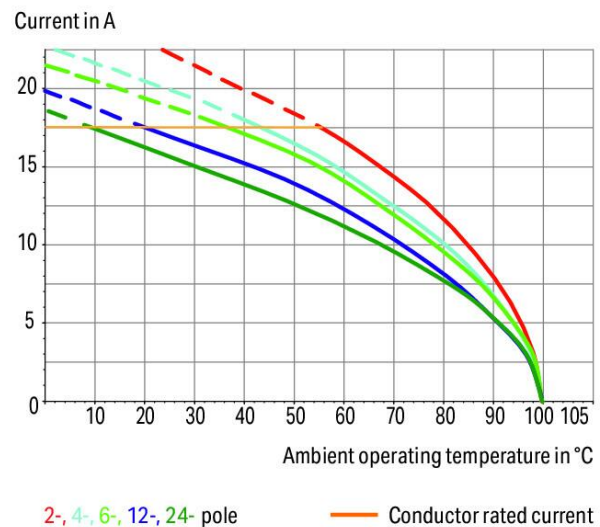
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 14-pole; 100% protected against mismating; 1,50 mm²; orange

[www.wago.com/2734-214](http://www.wago.com/2734-214)



### Derating Curve

1-conductor female connector (2734-102) with  
THT male header (734-132)  
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

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## 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
- 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) ≙ Overvoltage category III / Pollution degree 2 |

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

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## 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   |
| 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          | 14 |
| Total number of potentials | 14 |
| 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 mm² / 24 ... 16 AWG       |
| Fine-stranded conductor                           | 0.2 ... 1.5 mm² / 24 ... 16 AWG       |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 0.75 mm²                     |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm²                      |
| Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches     |
| Pole number                                       | 14                                    |
| Conductor entry direction to mating direction     | 0°                                    |

## Physical data

|             |                         |
|-------------|-------------------------|
| Pin spacing | 3.81 mm / 0.15 inches   |
| Width       | 55.44 mm / 2.183 inches |

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



|        |                        |
|--------|------------------------|
| 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           |
| 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                   | 0.258 MJ                                                 |
| Weight                      | 12.8 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            |

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



|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC002638      |
| ETIM 7.0              | EC002638      |
| PU (SPU)              | 25 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4055143284554 |
| Customs tariff number | 85366990990   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

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

## Counterpart



### Item no. 734-344

1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 14-pole; 100% protected against mismatching; 1,50 mm²; orange

[www.wago.com/734-344](http://www.wago.com/734-344)

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

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**Item no. 734-244**

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 14-pole; orange

[www.wago.com/734-244](http://www.wago.com/734-244)**Item no. 734-274**

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 14-pole; orange

[www.wago.com/734-274](http://www.wago.com/734-274)

## Optional accessories

### Strain relief

Strain relief plate

**Item no.: 734-226**

Strain relief plate; for female and male connectors; 35 mm wide; 1 part; Pin spacing 3.81 mm; orange

[www.wago.com/734-226](http://www.wago.com/734-226)

### Tool

Operating tool

**Item no.: 210-250**

Operating tool; for MCS MINI and MIDI with CAGE CLAMP® connection; red

[www.wago.com/210-250](http://www.wago.com/210-250)**Item no.: 210-251**

Operating tool; for MCS MICRO and MINI with CAGE CLAMP® connection; yellow

[www.wago.com/210-251](http://www.wago.com/210-251)**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-647](http://www.wago.com/210-647)**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)**Item no.: 734-230**

Operating tool; made of insulating material; 1-way; white

[www.wago.com/734-230](http://www.wago.com/734-230)**Item no.: 734-190**

Combination operating tool; natural

[www.wago.com/734-190](http://www.wago.com/734-190)**Item no.: 734-191**

Operating tool; made of insulating material; 1-way; loose; black

[www.wago.com/734-191](http://www.wago.com/734-191)**Item no.: 734-231**

Operating tool; black

[www.wago.com/734-231](http://www.wago.com/734-231)

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## Ferrule

| 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><br>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                                                | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |

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

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crimped; acc. to DIN 46228, Part 4/09.90; gray

|  |                                                                                                                               |                                                                |
|--|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <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 Apr 3

pdf  
2.1 MB

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## CAD/CAE-Data

### CAD data

2D/3D Models 2734-214 [URL](#) [Download](#)

### CAE data

ZUKEN Portal 2734-214 [URL](#) [Download](#)

### Asset Administration Shell

Asset Administration Shell 2734-214 [URL](#) [Download](#)

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2734-214 [URL](#) [Download](#)

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 14-pole; 100% protected against mismatching; 1,50 mm<sup>2</sup>; orange

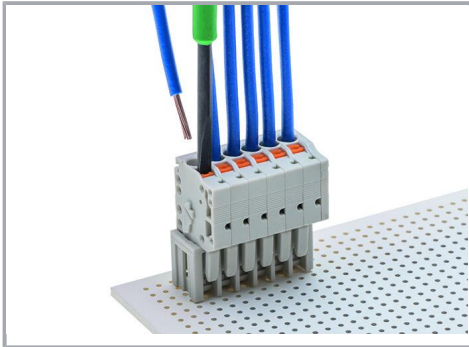
## Installation Notes

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

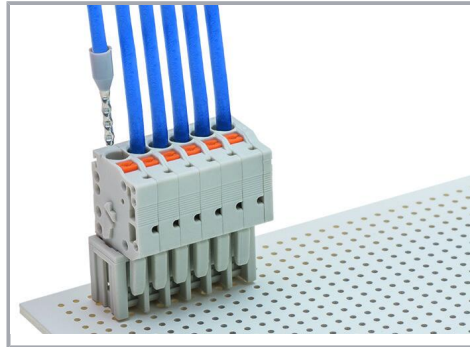
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### Conductor termination

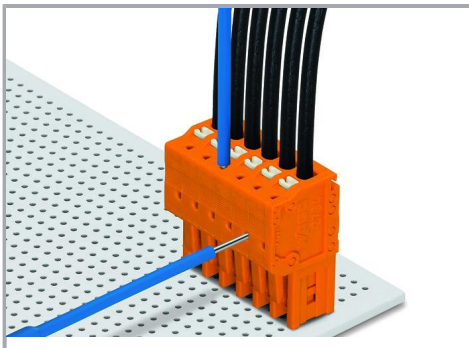


Conductor termination Inserting fine-stranded conductors into Push-in CAGE CLAMP® unit via push-buttons.



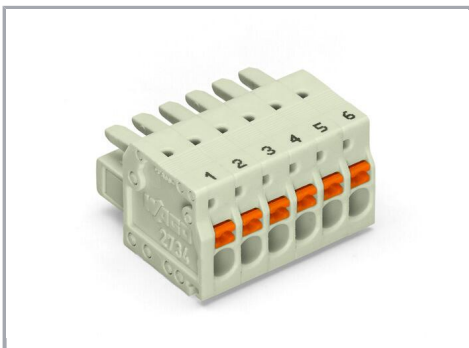
Push-in termination of solid conductors and fine-stranded conductors with ferrules

### Testing



Testing via 1 mm Ø test pin (735-500).  
Push-in CAGE CLAMP® termination – parallel to conductor entry

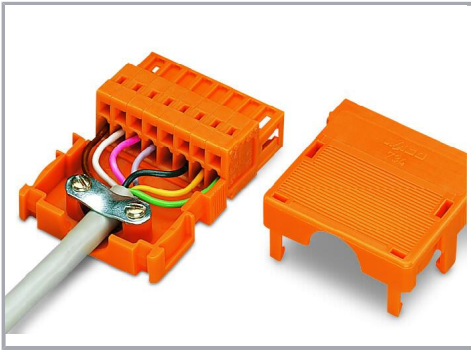
### Marking



Labeling via direct marking or self-adhesive strips.

### Installation

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



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

## Product family

### MCS MINI

[Show all products from the family](#)

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

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