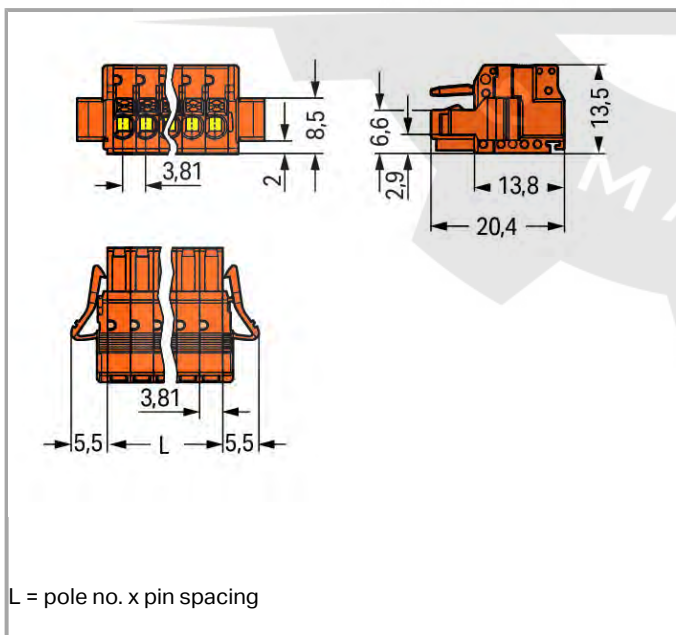
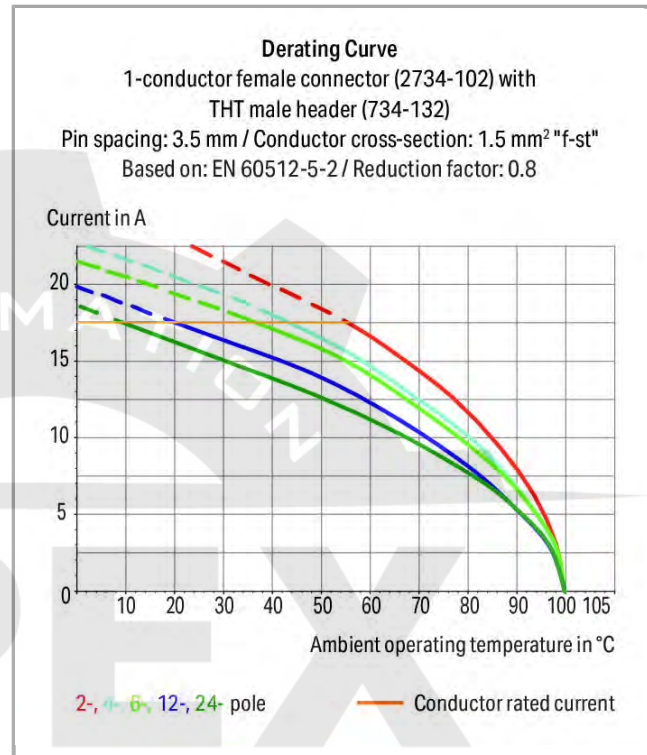
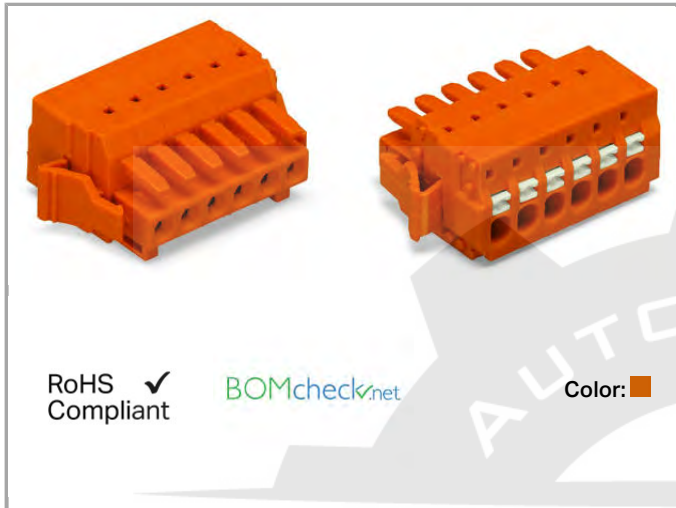


## Data sheet | Item number: 2734-209/037-000

1-conductor female plug; 100% protected against mismating; push-button;  
Locking lever; 1.5 mm<sup>2</sup>; Pin spacing 3.81 mm; 9-pole



2734-209/037-000



### 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 via coding fingers

**Safety information 1:**

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

**Data****Electrical data****Ratings per IEC/EN 60664-1**

|                                 |        |
|---------------------------------|--------|
| Rated 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 |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 10 A   |

**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  |

**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 technology | Push-in CAGE CLAMP® |
| Actuation type        | Push-button         |



|                                                             |                                             |
|-------------------------------------------------------------|---------------------------------------------|
| 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 ferrule with plastic collar    | 0.25 ... 0.75 mm <sup>2</sup>               |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 1.5 mm <sup>2</sup>                |
| Strip length                                                | 8 ... 9 mm / 0.31 ... 0.35 inch             |
| No. of poles                                                | 9                                           |
| Total number of connection points                           | 9                                           |
| Total number of potentials                                  | 9                                           |
| Number of connection types                                  | 1                                           |
| Number of levels                                            | 1                                           |
| Conductor entry direction to mating direction               | 0°                                          |

### Geometrical Data

|             |                       |
|-------------|-----------------------|
| Pin spacing | 3.81 mm / 0.15 inch   |
| Width       | 45.29 mm / 1.783 inch |
| Height      | 13.5 mm / 0.531 inch  |
| Depth       | 20.4 mm / 0.803 inch  |

### Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductors          |
| Mismating protection               | Yes                     |
| Locking of plug-in connection      | locking lever           |

### Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | orange                            |
| Material group              | I                                 |
| Insulating material         | Polyamide 66 (PA 66)              |
| Flammability class per UL94 | V0                                |
| Clamping spring material    | Chrome nickel spring steel (CrNi) |
| Contact material            | Copper alloy                      |
| Contact plating             | tin-plated                        |
| Fire load                   | 0.182 MJ                          |
| Weight                      | 9.05 g                            |

### Environmental Requirements

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

### Commercial data

|               |                        |
|---------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
|---------------|------------------------|

|                    |               |
|--------------------|---------------|
| Country of origin  | PL            |
| GTIN               | 4055143280389 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                             | Approval                        | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2147056.01       |
|                                                                                  | CCA<br>DEKRA Certification B.V. | IEC 61984                | NL-23611         |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 2314554          |
|                                                                                  |                                 |                          |                  |

### UL-Approvals

| Logo                                                                               | Approval                             | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                  | 20190122-E45172  |
|                                                                                    |                                      |                          |                  |

## Compatible products

### Strain relief plate

|                                                                                    |                                          |         |
|------------------------------------------------------------------------------------|------------------------------------------|---------|
|  | Item no.: 734-229<br>Strain relief plate | 734-229 |
|------------------------------------------------------------------------------------|------------------------------------------|---------|

### tools

|                                                                                    |                                                                                                                   |         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------|
|  | Item no.: 210-250<br>Operating tool; for female and male connectors with CAGE CLAMP® connection; MCS MIDI & MINI  | 210-250 |
|  | Item no.: 210-251<br>Operating tool; for female and male connectors with CAGE CLAMP® connection; MCS MINI & MICRO | 210-251 |
|  | Item no.: 210-647<br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short                   | 210-647 |
|  | Item no.: 210-719<br>Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm                  | 210-719 |

|                                                                                    |                                                                                                                                                                                        |         |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | <b>Item no.: 734-190</b><br>Combination operating tool; for male and female connectors with CAGE CLAMP®                                                                                | 734-190 |
|    | <b>Item no.: 734-191</b><br>Operating tool; for male and female connectors with CAGE CLAMP®; loose                                                                                     | 734-191 |
|    | <b>Item no.: 734-230</b><br>Push-button; for female and male connectors                                                                                                                | 734-230 |
|    | <b>Item no.: 734-231</b><br>Operating tool; for male and female connectors with CAGE CLAMP®; of 734 Series                                                                             | 734-231 |
| <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                                                                          | 216-101 |
|    | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                                                                         | 216-102 |
|    | <b>Item no.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                                                                          | 216-121 |
|    | <b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                                                                         | 216-122 |
|    | <b>Item no.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                         | 216-131 |
|  | <b>Item no.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                         | 216-132 |
|  | <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  | 216-141 |
|  | <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 | 216-142 |
|  | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                         | 216-151 |
|  | <b>Item no.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                         | 216-152 |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated                                                                            | 216-201 |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated                                                                           | 216-202 |
|  | <b>Item no.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated                                                                            | 216-221 |
|  | <b>Item no.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated                                                                           | 216-222 |
|  | <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    | 216-241 |

|                                                                                 |                                                                                                                                                                                      |         |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <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 | 216-242 |
|  | <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 | 216-262 |
|                                                                                 | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated                                                                         | 216-301 |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated                                                                         | 216-302 |
|                                                                                 | <b>Item no.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated                                                                         | 216-321 |
|  | <b>Item no.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated                                                                         | 216-322 |

## Downloads

## Documentation

## Additional Information

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## CAD data

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