

**Data Sheet | Item Number: 733-202/032-000**

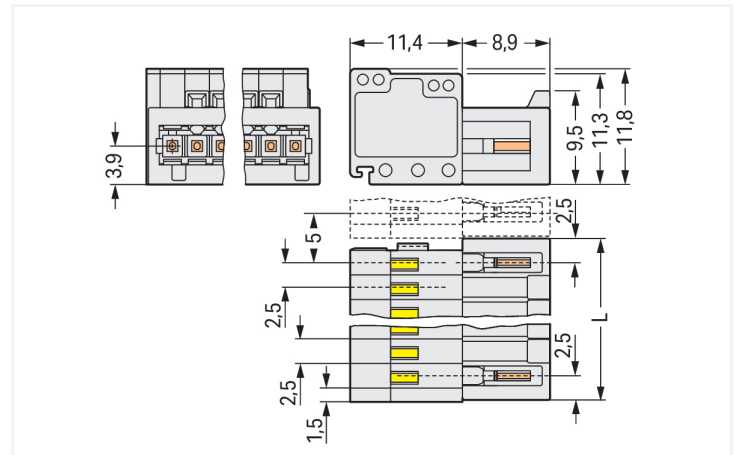
1-conductor male connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 2-pole;  
100% protected against mismating; Strain relief plate; 0,50 mm²; light gray

<https://www.wago.com/733-202/032-000>

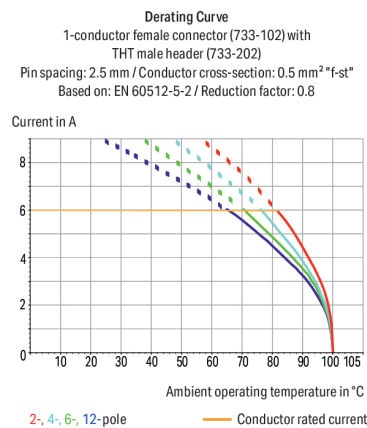


Color:  light gray

Similar to illustration



Dimensions in mm

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


Stiftleiste Serie 733 mit 0 ° Leiterabgang zur Steckrichtung

Die Stiftleiste hat die Artikelnummer 733-202/032-000 und ermöglicht eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie diverse Verwendungsmöglichkeiten. Diese Stiftleiste benötigt für den Leiteranschluss eine Abisolierlänge zwischen 5 und 6 mm. Dieses Produkt verwendet die CAGE CLAMP®-Technologie. Der bewährte und wartungsfreie CAGE CLAMP® Universalanschluss ermöglicht den Anschluss aller Leiterarten mit einer Käfigzugfeder. Eine Vorbehandlung der Leiter, z.B. durch das Aufcrimpen von Aderendhülsen, ist nicht erforderlich. Die Maße sind in Breite x Höhe x Tiefe (7,5 x 11,8 x 20,3) mm. Diese Stiftleiste ist in Abhängigkeit von der Leiterart für Leiterquerschnitte von 0,08 mm<sup>2</sup> bis 0,5 mm<sup>2</sup> geeignet. Die Oberfläche der Kontakte ist aus Zinn. Über ein Betätigungswerkzeug wird diese Stiftleiste/Stecker betätigt. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm<sup>2</sup> ein großes Portfolio an Einsatzmöglichkeiten.

## 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 60664-1 |        |        |        | Approvals per UL 1059 |       |   |   |
|----------------------------|--------|--------|--------|-----------------------|-------|---|---|
| Overvoltage category       | III    | III    | II     | Use group             | B     | C | D |
| Pollution degree           | 3      | 2      | 2      | Rated voltage         | 150 V | - | - |
| Nominal voltage            | 100 V  | 160 V  | 320 V  | Rated current         | 4 A   | - | - |
| Rated surge voltage        | 2.5 kV | 2.5 kV | 2.5 kV |                       |       |   |   |
| Rated current              | 6 A    | 6 A    | 6 A    |                       |       |   |   |

| Approvals per CSA |       |   |   |
|-------------------|-------|---|---|
| Use group         | B     | C | D |
| Rated voltage     | 150 V | - | - |
| Rated current     | 4 A   | - | - |

Connection data

|                            |   |                                                   |                                            |
|----------------------------|---|---------------------------------------------------|--------------------------------------------|
| Clamping units             | 2 | Connection 1                                      |                                            |
| Total number of potentials | 2 | Connection technology                             | CAGE CLAMP®                                |
| Number of connection types | 1 | Actuation type                                    | Operating tool                             |
| Number of levels           | 1 | Actuation direction 1                             | Operation parallel to conductor entry      |
|                            |   | Actuation direction 2                             | Operation perpendicular to conductor entry |
|                            |   | Solid conductor                                   | 0.08 ... 0.5 mm² / 28 ... 20 AWG           |
|                            |   | Fine-stranded conductor                           | 0.08 ... 0.5 mm² / 28 ... 20 AWG           |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 0.34 mm²                          |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 0.34 mm²                          |
|                            |   | Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches           |
|                            |   | Pole number                                       | 2                                          |
|                            |   | Conductor entry direction to mating direction     | 0°                                         |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 2.5 mm / 0.098 inches  |
| Width       | 7.5 mm / 0.295 inches  |
| Height      | 11.8 mm / 0.465 inches |
| Depth       | 20.3 mm / 0.799 inches |

Mechanical data

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

Plug-in connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismating protection               | Yes                 |



| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | light gray                                                               |
| Material group                     | I                                                                        |
| Insulation material (main housing) | 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                                                                      |
| Fire load                          | 0.029 MJ                                                                 |
| Weight                             | 1.3 g                                                                    |

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

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4044918849678          |
| Customs tariff number | 85366930000            |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| eCl@ss 10.0            | 27-44-03-09          |
| eCl@ss 9.0             | 27-44-03-09          |
| ETIM 9.0               | EC002638             |
| ETIM 8.0               | EC002638             |
| ECCN                   | NO US CLASSIFICATION |

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

| Approvals / Certificates                                                                                                                                                                                                                                   |           |                  |                                                                                                                                                                          |          |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|
| General approvals                                                                                                                                                                                                                                          |           |                  | Approvals for marine applications                                                                                                                                        |          |                  |
|    |           |                  |   |          |                  |
| Approval                                                                                                                                                                                                                                                   | Standard  | Certificate Name | Approval                                                                                                                                                                 | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                            | EN 61984  | 2169534.01       | ABS<br>American Bureau of Ship-<br>ping                                                                                                                                  | -        | 19-HG1869876-PDA |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                            | IEC 61984 | NL-31141         | DNV<br>DNV GL SE                                                                                                                                                         | -        | TAE000016Z       |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                            | C22.2     | 1465035          |                                                                                                                                                                          |          |                  |
| UL<br>UL International Germany<br>GmbH                                                                                                                                                                                                                     | UL 1977   | E45171           |                                                                                                                                                                          |          |                  |



| Downloads                        |                 |  |  |
|----------------------------------|-----------------|--|--|
| Environmental Product Compliance |                 |  |  |
| Compliance Search                |                 |  |  |
| Environmental Product Compliance | 733-202/032-000 |  |  |

| Documentation          |            |                   |  |
|------------------------|------------|-------------------|--|
| Additional Information |            |                   |  |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

| 1 Compatible Products         |
|-------------------------------|
| 1.1 System counterpart        |
| 1.1.1 Female connector/socket |



|                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 733-102</b><br>1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 2-pole; 100% protected against mismatching; 0,50 mm²; light gray |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| 1.2 Optional Accessories |
|--------------------------|
| 1.2.1 Coding             |
| 1.2.1.1 Coding           |



|                                                             |
|-------------------------------------------------------------|
| <b>Item No.: 733-331</b><br>Coding key; snap-on type; black |
|-------------------------------------------------------------|



|                                                             |
|-------------------------------------------------------------|
| <b>Item No.: 733-330</b><br>Coding key; snap-on type; white |
|-------------------------------------------------------------|

| 1.2.2 Ferrule   |
|-----------------|
| 1.2.2.1 Ferrule |



|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow |
|----------------------------------------------------------------------------------------------------------|



|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow |
|----------------------------------------------------------------------------------------------------------|



|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated |
|----------------------------------------------------------------------------------------------------|



|                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored |
|--------------------------------------------------------------------------------------------------------------------|



|                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise |
|-------------------------------------------------------------------------------------------------------------------|



|                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise |
|-------------------------------------------------------------------------------------------------------------------|



|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated |
|----------------------------------------------------------------------------------------------------|



|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| <b>Item No.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated |
|----------------------------------------------------------------------------------------------------|

1.2.3 Strain relief

1.2.3.1 Strain relief plate



**Item No.: 734-127**  
Strain relief plate; for female and male connectors; 6 mm wide; 1 part; Pin spacing 3.5 mm; light gray

1.2.4 Test and measurement

1.2.4.1 Testing accessories



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.2.5 Tool

1.2.5.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-251**  
Operating tool; for MCS MICRO and MINI with CAGE CLAMP® connection; yellow



**Item No.: 233-335**  
Operating tool; green



**Item No.: 233-331**  
Operating tool; insulated; yellow



**Item No.: 733-130**  
Operating tool; made of insulating material; 1-way; loose; white



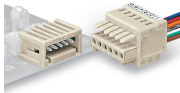
**Item No.: 733-191**  
Operating tool; made of insulating material; 1-way; loose; yellow



**Item No.: 233-332**  
Operating tool; made of insulating material; white

Installation Notes

Mismating protection



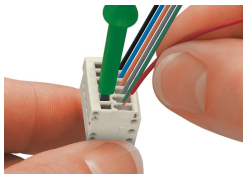
Male headers and female connectors are 100% protected against mismating. Only mating halves with the same pole number can be connected.



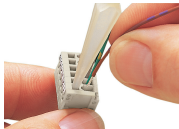
Conductor termination



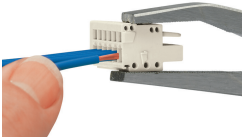
Inserting conductor via (2.5 x 0.4) mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Conductor termination via screwdriver (233-335) – parallel to CAGE CLAMP® actuation



Conductor termination via operating tool (733-191)



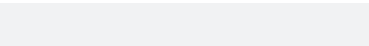
Conductor termination via operating tool (210-251)

Coding

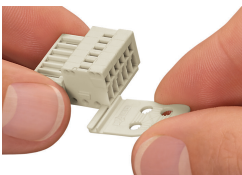


Coding a male header – fitting coding key (s).

Marking



Strain relief



Strain relief plates for factory or in-the-field assembly

Testing



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

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)