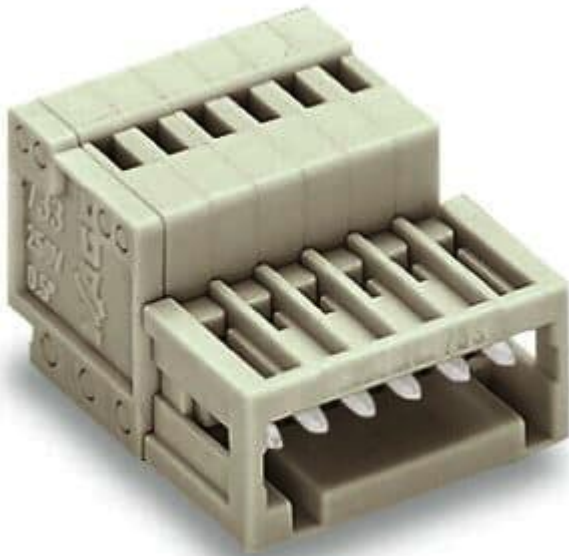


**Data sheet | Item number: 733-210/034-000**

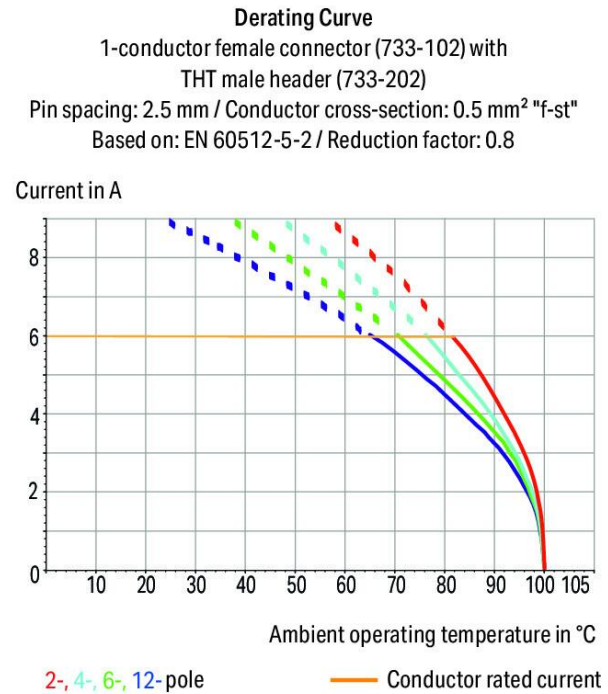
1-conductor male connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm;  
10-pole; 100% protected against mismatching; Strain relief plate; 0,50 mm²;  
light gray

[www.wago.com/733-210/034-000](http://www.wago.com/733-210/034-000)



 Picture differs from the item.

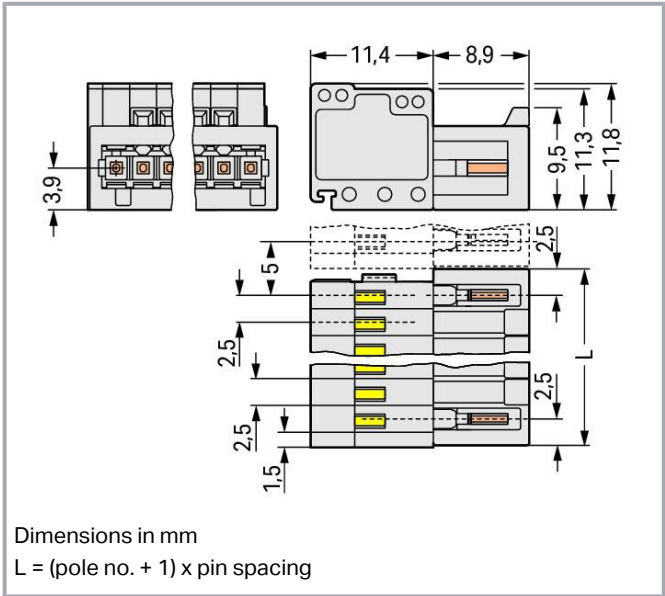
Color: 



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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



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 connections
- 100% protected against mismatching
- 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

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



## Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1                                                    |
|-------------------------------|-------------------------------------------------------------------|
| Nominal voltage (III/3)       | 100 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                 | 6 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) | 150 V   |
| Rated current UL (Use Group B) | 4 A     |

## Ratings per CSA

| Approvals per                   | CSA   |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 4 A   |

## Connection data

|                            |    |
|----------------------------|----|
| Connection points          | 10 |
| Total number of potentials | 10 |
| Number of connection types | 1  |
| Number of levels           | 1  |

## Connection 1

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| Connection technology                           | CAGE CLAMP®                                  |
| Actuation type                                  | Operating tool                               |
| Actuation direction 1                           | Operation parallel to conductor entry        |
| Actuation direction 2                           | Operation perpendicular to conductor entry   |
| Solid conductor                                 | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG |
| Fine-stranded conductor                         | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 0.34 mm <sup>2</sup>                |

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



|                                                   |                                  |
|---------------------------------------------------|----------------------------------|
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 0.34 mm <sup>2</sup>    |
| Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches |
| Pole number                                       | 10                               |
| Conductor entry direction to mating direction     | 0 °                              |

### Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 2.5 mm / 0.098 inches  |
| Width       | 27.5 mm / 1.083 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                 |
| 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                       | light gray                                               |
| 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                                                      |
| Fire load                   | 0.116 MJ                                                 |
| Weight                      | 5.6 g                                                    |

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

## Environmental requirements

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

## Commercial data

|                       |               |
|-----------------------|---------------|
| 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)              | 50 pcs        |
| Packaging type        | box           |
| Country of origin     | PL            |
| GTIN                  | 4050821373452 |
| Customs tariff number | 85366930000   |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V.     | C22.2                    | 1465035          |
|  | UL<br>UL International Germany GmbH | UL 1977                  | E45171           |

## Counterpart



### Item no. 733-110

1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 10-pole; 100% protected against mismatching; 0,50 mm²; light gray

[www.wago.com/733-110](http://www.wago.com/733-110)

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

WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.

## Optional accessories

### Testing and measuring

#### 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 0,5mm<sup>2</sup> [www.wago.com/735-500](http://www.wago.com/735-500)

### Tool

#### Operating tool



**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.: 210-719**

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.: 233-332**

Operating tool; made of insulating material; white

[www.wago.com/233-332](http://www.wago.com/233-332)



**Item no.: 233-331**

Operating tool; insulated; yellow

[www.wago.com/233-331](http://www.wago.com/233-331)



**Item no.: 233-335**

Operating tool; green

[www.wago.com/233-335](http://www.wago.com/233-335)



**Item no.: 733-191**

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

[www.wago.com/733-191](http://www.wago.com/733-191)



**Item no.: 733-130**

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

[www.wago.com/733-130](http://www.wago.com/733-130)

### Coding

#### Coding



**Item no.: 733-330**

Coding key; snap-on type; white

[www.wago.com/733-330](http://www.wago.com/733-330)



**Item no.: 733-331**

Coding key; snap-on type; black

[www.wago.com/733-331](http://www.wago.com/733-331)

### Ferrule

#### Ferrule



**Item no.: 216-132**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

[www.wago.com/216-132](http://www.wago.com/216-132)



**Item no.: 216-131**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored

[www.wago.com/216-131](http://www.wago.com/216-131)

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



|                                                                                  |                                                                                                                                     |                                                                |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|   | <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.: 216-151</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.: 216-301</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> |
| <b>Strain relief</b>                                                             |                                                                                                                                     |                                                                |
| Strain relief plate                                                              |                                                                                                                                     |                                                                |
|  | <b>Item no.: 734-129</b><br>Strain relief plate; for female and male connectors; 25 mm wide; 1 part; Pin spacing 3.5 mm; light gray | <a href="http://www.wago.com/734-129">www.wago.com/734-129</a> |

## Downloads

### Documentation

#### Additional Information

2019 Apr 3

pdf  
2.1 MB

Download

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 733-210/034-000

URL

Download

1-conductor male connector; CAGE CLAMP®; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 10-pole;  
100% protected against mismating; Strain relief plate; 0,50 mm<sup>2</sup>; light gray

## Installation Notes

### Mismating protection

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

WAGO GmbH &amp; Co. KG

Hansastr. 27

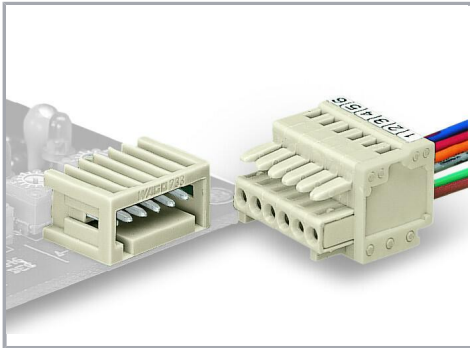
32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

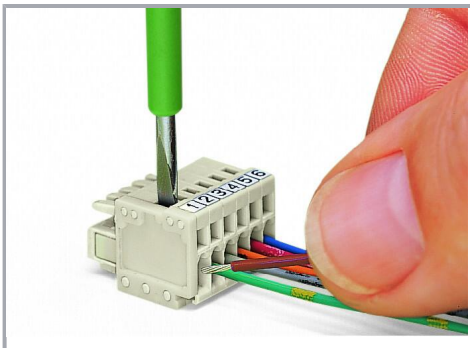
Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

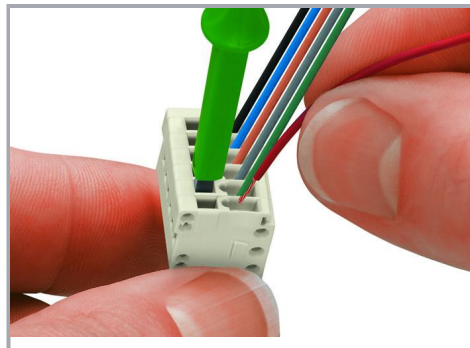


Male headers and female connectors are 100% protected against mismatching. Only mating halves with the same pole number can be connected.

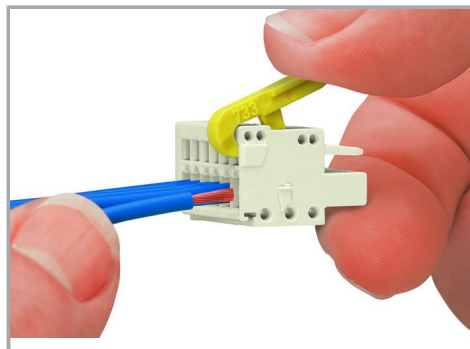
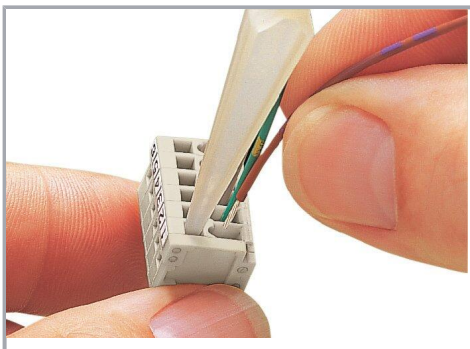
#### Conductor termination



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



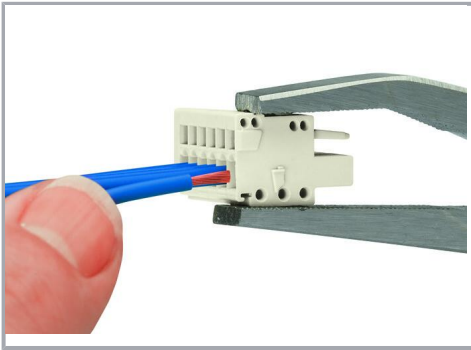
Conductor termination via screwdriver (233-335) – parallel to CAGE CLAMP® actuation



Conductor termination via operating tool (733-191)

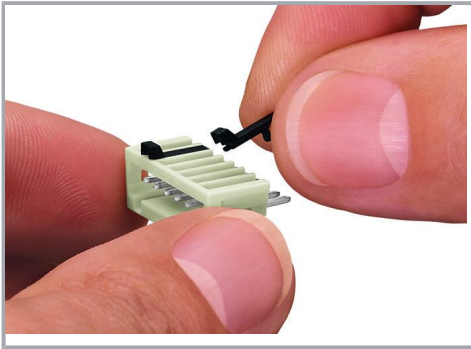
Subject to changes. Please also observe the further product documentation!





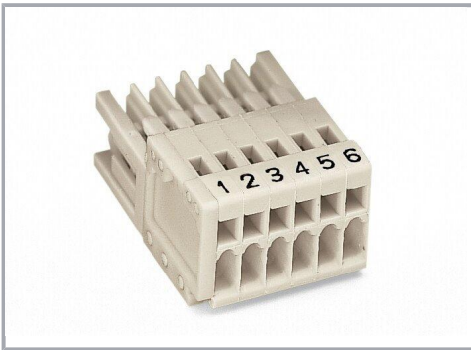
Conductor termination via operating tool (210-251)

#### Coding



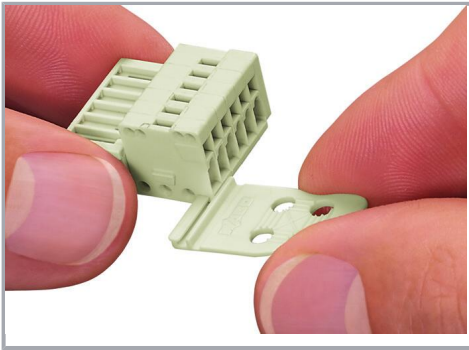
Coding a male header – fitting coding key(s).

#### Marking



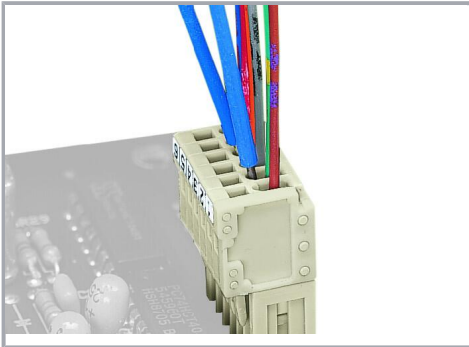
#### Strain relief

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



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

### Testing



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

### Product family

#### MCS MICRO

[Show all products from the family](#)

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