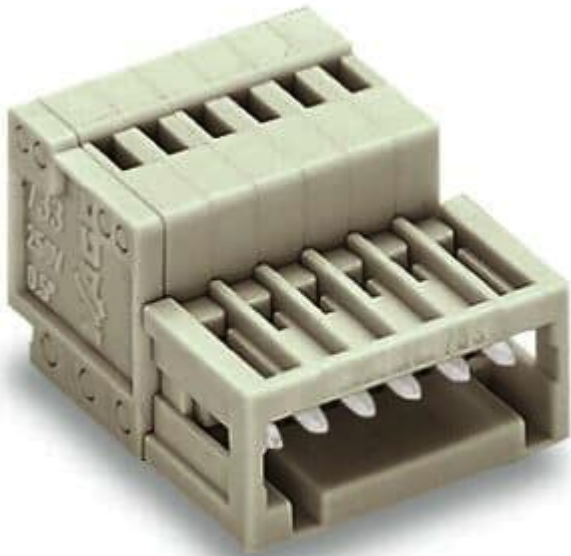


**Data sheet | Item number: 733-210/034-000**

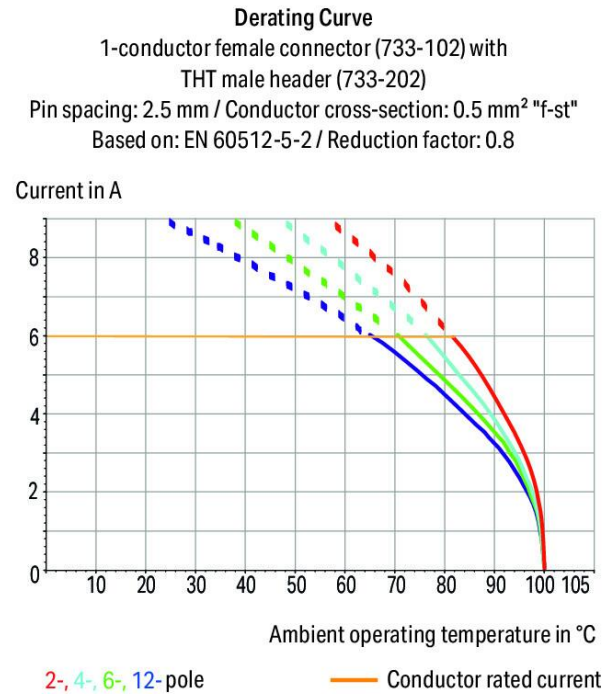
1-conductor male connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm;  
10-pole; 100% protected against mismatching; Strain relief plate; 0,50 mm²;  
light gray

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



 Picture differs from the item.

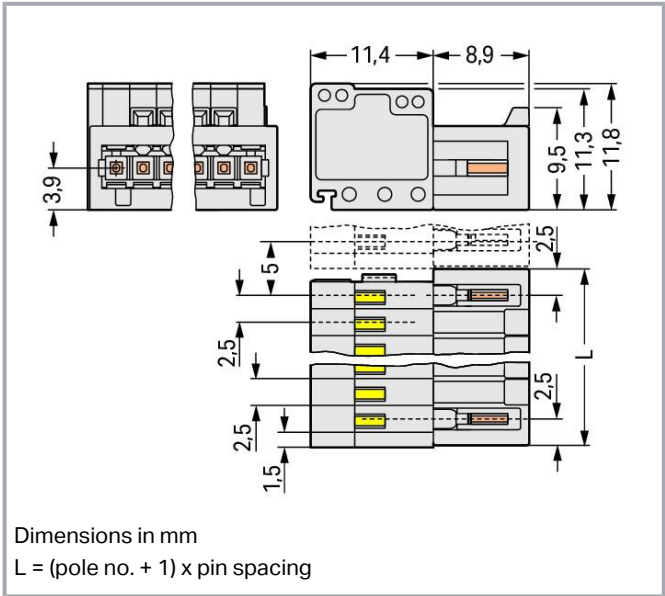
Color: 



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)

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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!

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## 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

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## 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
ECCN	NO DATA
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 DEKRA Certification B.V.	C22.2	1465035
	UL UL International Germany GmbH	UL 1977	E45171

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## 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)

## Optional accessories

### Ferrule








Ferrule		
	<b>Item no.: 216-132</b> Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-132">www.wago.com/216-132</a>
	<b>Item no.: 216-131</b> Ferrule; Sleeve for 0.25 mm² / 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.: 216-152</b> Ferrule; Sleeve for 0.34 mm² / 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> Ferrule; Sleeve for 0.25 mm² / 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> Ferrule; Sleeve for 0.25 mm² / 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> Ferrule; Sleeve for 0.25 mm² / 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> Ferrule; Sleeve for 0.34 mm² / 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> Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>

### Tool

Operating tool		
	<b>Item no.: 210-251</b> 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.: 210-719</b> 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.: 233-332</b> Operating tool; made of insulating material; white	<a href="http://www.wago.com/233-332">www.wago.com/233-332</a>
	<b>Item no.: 233-331</b>	

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Operating tool; insulated; yellow		<a href="http://www.wago.com/233-331">www.wago.com/233-331</a>
	<b>Item no.: 233-335</b> Operating tool; green	<a href="http://www.wago.com/233-335">www.wago.com/233-335</a>
	<b>Item no.: 733-191</b> Operating tool; made of insulating material; 1-way; loose; yellow	<a href="http://www.wago.com/733-191">www.wago.com/733-191</a>
	<b>Item no.: 733-130</b> Operating tool; made of insulating material; 1-way; loose; white	<a href="http://www.wago.com/733-130">www.wago.com/733-130</a>
<b>Testing and measuring</b>		
Testing accessories		
	<b>Item no.: 735-500</b> 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	<a href="http://www.wago.com/735-500">www.wago.com/735-500</a>
<b>Coding</b>		
Coding		
	<b>Item no.: 733-330</b> Coding key; snap-on type; white	<a href="http://www.wago.com/733-330">www.wago.com/733-330</a>
	<b>Item no.: 733-331</b> Coding key; snap-on type; black	<a href="http://www.wago.com/733-331">www.wago.com/733-331</a>
<b>Strain relief</b>		
Strain relief plate		
	<b>Item no.: 734-129</b> 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

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.1 MB	

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 733-210/034-000	URL	Download
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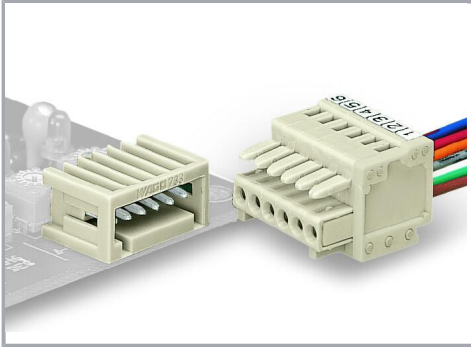
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1-conductor male connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 10-pole;  
100% protected against mismatching; Strain relief plate; 0,50 mm²; light gray

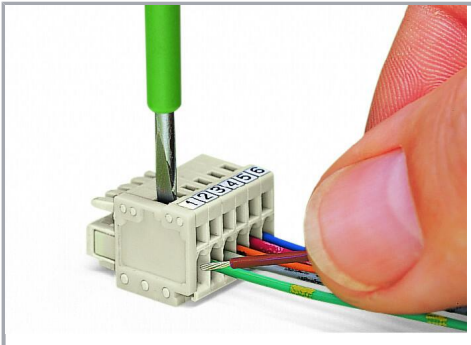
## Installation Notes

### Mismatching protection

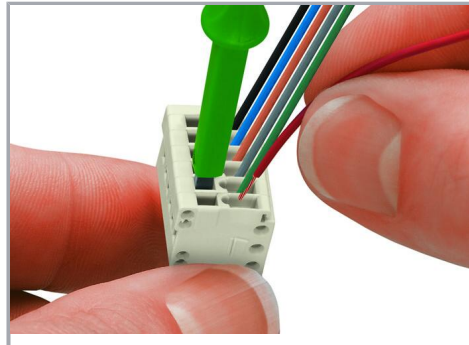


Male headers and female connectors are 100% protected against mismatching. Only mating halves with the same pole number can be connected.

### Conductor termination



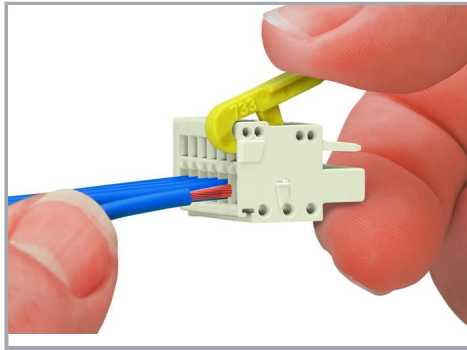
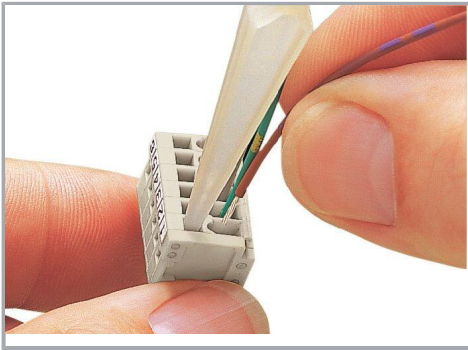
Inserting conductor via (2.5 x 0.4) mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



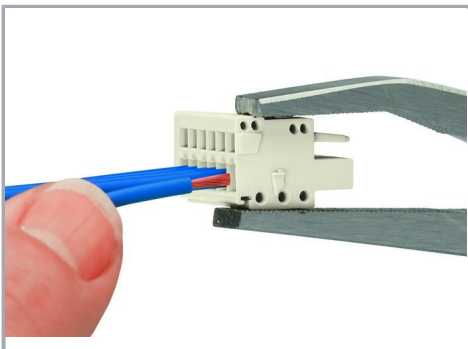
Conductor termination via screwdriver (233-335) – parallel to CAGE CLAMP® actuation

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



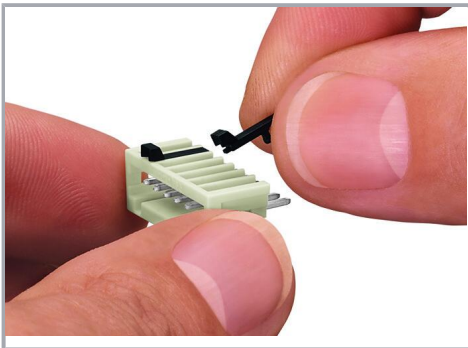


Conductor termination via operating tool (733-191)



Conductor termination via operating tool (210-251)

### Coding



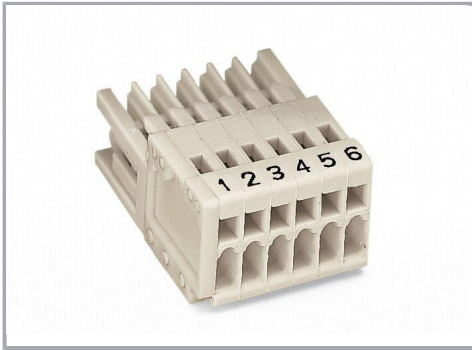
Coding a male header – fitting coding key(s).

### Marking

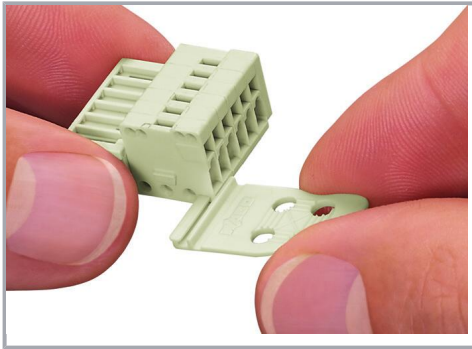
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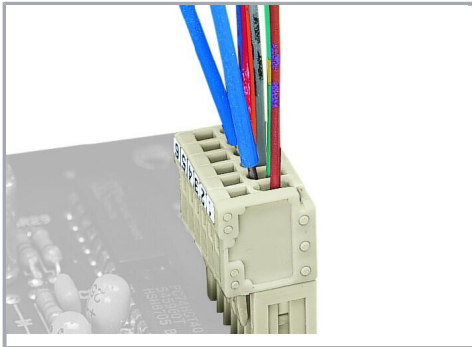


#### Strain relief



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!