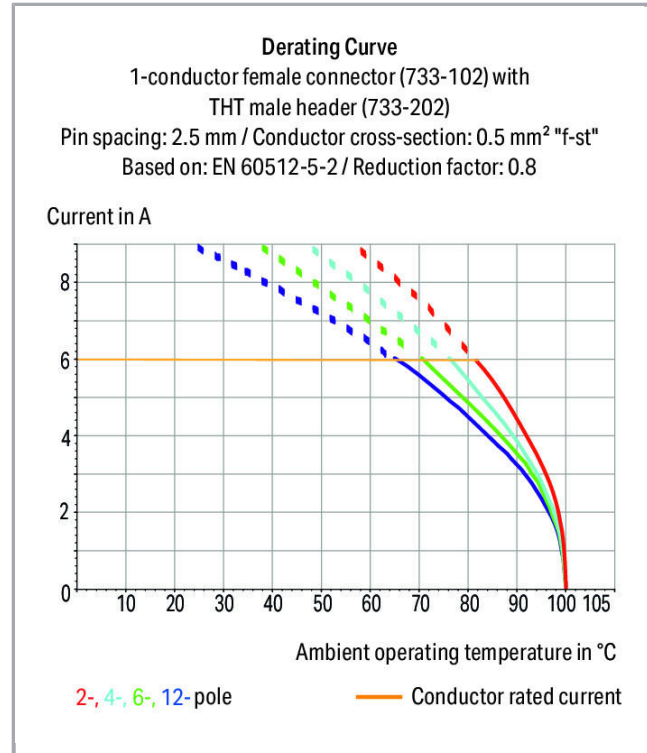


**Data sheet | Item number: 733-202/032-000**

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



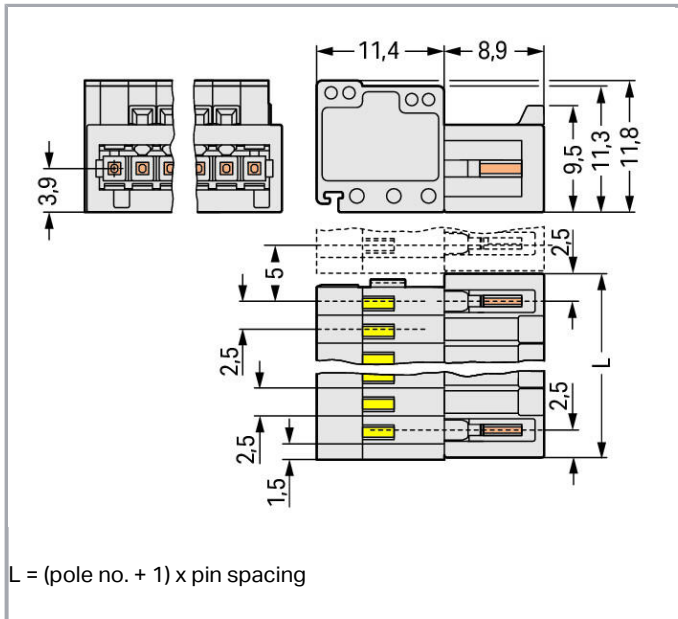
[www.wago.com/733-202/032-000](http://www.wago.com/733-202/032-000)



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

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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 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

Ratings per	IEC/EN 60664-1
Rated 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
Rated voltage (II / 2)	320 V

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Rated impulse voltage (II / 2)	2.5 kV
Rated current	6 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

### Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A
Approvals per	UL 1059

### Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

### Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
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 ferrule with plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
No. of poles	2
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1
Conductor entry direction to mating direction	0°

### Geometrical Data

Pin spacing	2.5 mm / 0.098 inch
Width	7.5 mm / 0.295 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

### Plug connection

Contact type (pluggable connector)	Male connector/plug
------------------------------------	---------------------

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



Connector connection type	for conductors
Mismating protection	Yes

## Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.028 MJ
Weight	1.3 g

## Environmental Requirements



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

## Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918849678
Customs Tariff No.	85366990990



## Approvals / Certificates

### Country specific Approvals


Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CSA DEKRA Certification B.V.	C22.2	1465035

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

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19- HG1869876- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171

## Counterpart




Item no. 733-102

1-conductor female plug; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 2-pole; 0,50 mm<sup>2</sup>; light gray[www.wago.com/733-102](http://www.wago.com/733-102)

## Compatible products

## ferrule

	<b>Item no.: 216-131</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-131">www.wago.com/216-131</a>
	<b>Item no.: 216-132</b> 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.: 216-151</b> 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.: 216-152</b>	

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

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

[www.wago.com/216-152](http://www.wago.com/216-152)

**Item no.: 216-301**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

[www.wago.com/216-301](http://www.wago.com/216-301)



**Item no.: 216-302**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; green

[www.wago.com/216-302](http://www.wago.com/216-302)

**Item no.: 216-321**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

[www.wago.com/216-321](http://www.wago.com/216-321)



**Item no.: 216-322**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; green

[www.wago.com/216-322](http://www.wago.com/216-322)

**Strain relief plate**

**Item no.: 734-127**

Strain relief plate; light gray

[www.wago.com/734-127](http://www.wago.com/734-127)

**tools**

**Item no.: 210-251**

Operating tool; for MCS MICRO & 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.: 233-331**

Operating tool; insulated; yellow

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

**Item no.: 233-332**

Operating tool; made of insulating material

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

**Item no.: 233-335**

Operating tool

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



**Item no.: 733-130**

Operating tool; loose; natural

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



**Item no.: 733-191**

Operating tool; loose; yellow

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

**Test Accessories**

**Item no.: 735-500**

Test pin; 1 mm Ø; with solder connection for test wire

[www.wago.com/735-500](http://www.wago.com/735-500)

**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)

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

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## Downloads

### Documentation

#### Additional Information

Technical explanations

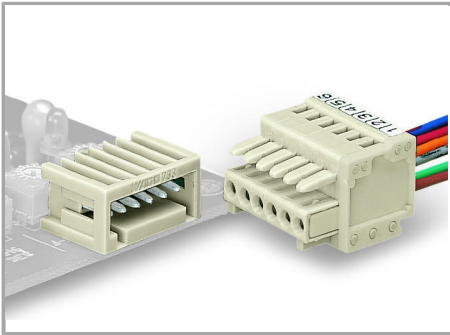
Apr 3, 2019

pdf  
3.6 MB

Download

## Installation Notes

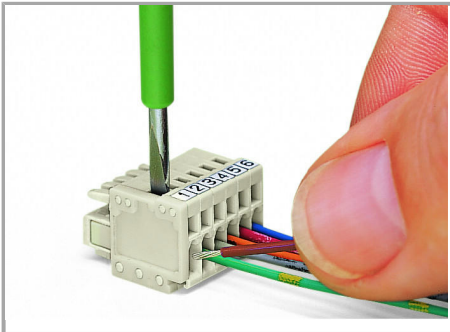
### Protected Against Mismatching



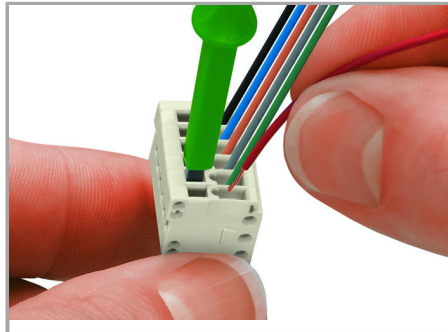
Male headers and female connectors are 100 % protected against mismatching.

Only mating halves with the same pole number can be connected.

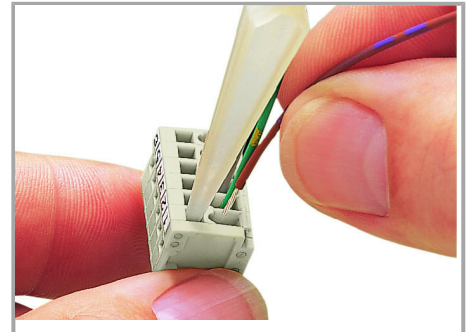
### Inserting a conductor



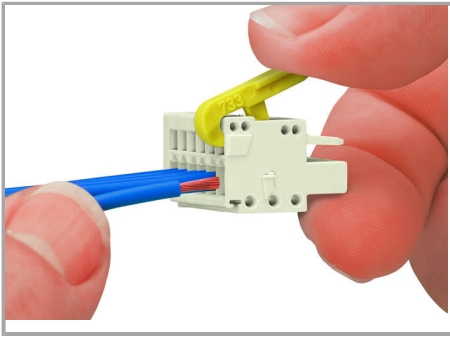
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



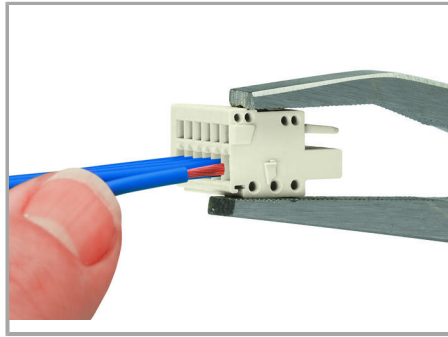
Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.



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

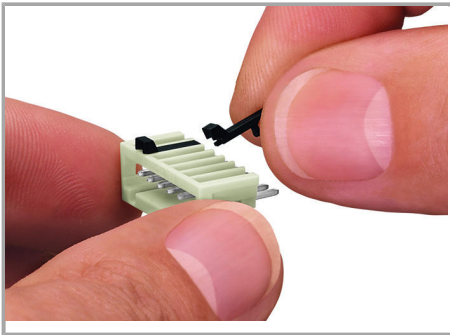


Inserting a conductor via 733-191 Operating Lever.

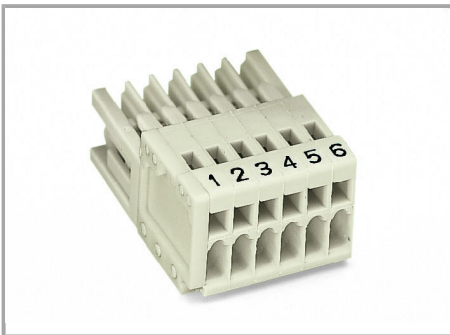


Inserting a conductor via 210-251 Operating Tool.

### Coding



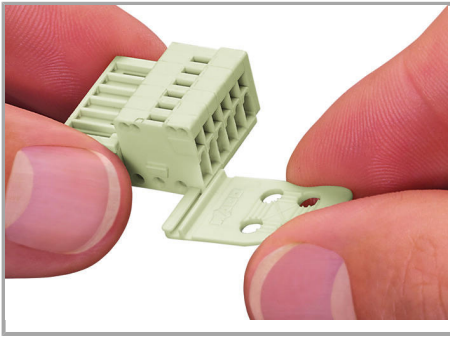
Coding a male header – fitting coding key(s).



### Assembly

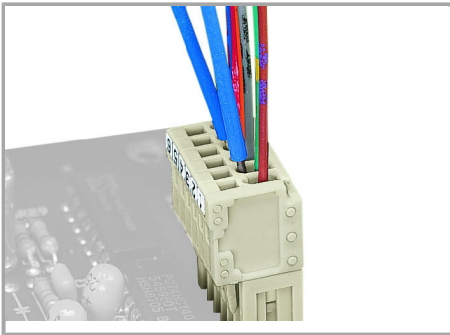
Subject to changes. Please also observe the further product documentation!





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

[Learn more about the product family.](#)

[Show all products from the family](#)

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