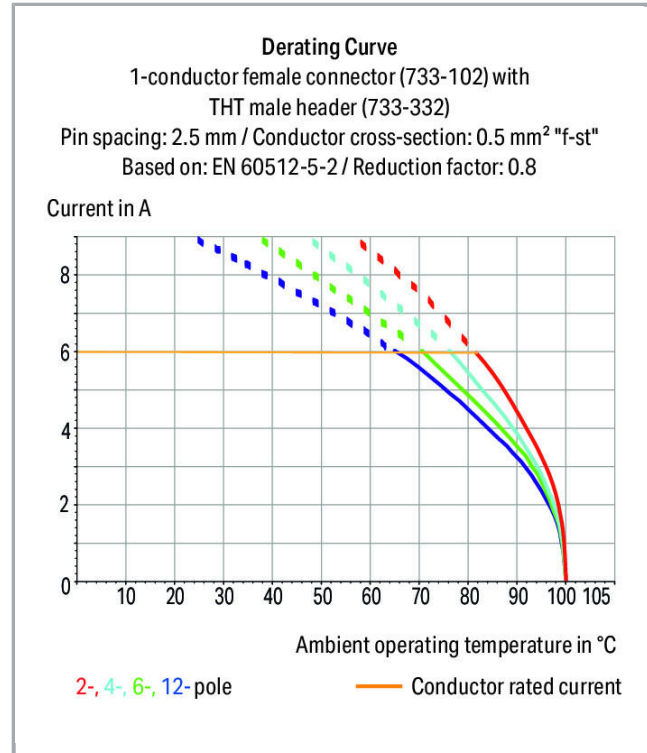


**Data sheet | Item number: 733-104/037-000**

1-conductor female plug; 100% protected against mismatching; Locking lever;  
0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 4-pole; 0,50 mm<sup>2</sup>; light gray



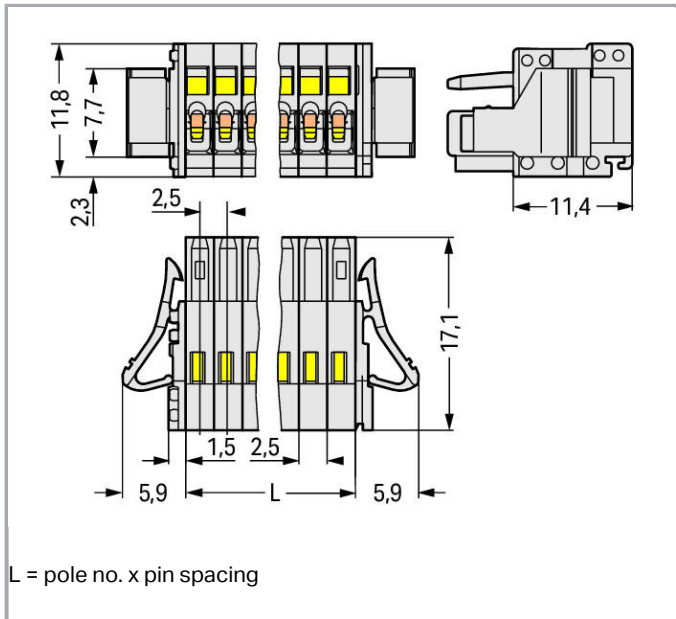
[www.wago.com/733-104/037-000](http://www.wago.com/733-104/037-000)



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
- Strain relief plates for factory and in-the-field assembly
- 100% protected against mismatching
- Coding via coding fingers

### Safety information 1:

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. 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

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

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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	4
Total number of connection points	4
Total number of potentials	4
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	21,8 mm / 0.858 inch
Height	11,8 mm / 0.465 inch
Depth	17,1 mm / 0.673 inch

### Plug connection

Contact type (pluggable connector)	Female connector/socket
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Subject to changes. Please also observe the further product documentation!



Connector connection type	for conductor
Mismating protection	Yes
Locking of plug-in connection	locking lever

### 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	Copper alloy
Contact plating	tin-plated
Fire load	0.046 MJ
Weight	2.2 g

### Environmental Requirements


Limit temperature range	-60 ... +100 °C
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### Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4045454215606
Customs Tariff No.	85366990990

### Approvals / Certificates

#### UL-Approvals

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

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

## Counterpart


**Item no. 733-204**

1-conductor male connector; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 4-pole; 0,50 mm<sup>2</sup>; light gray

[www.wago.com/733-204](http://www.wago.com/733-204)


**Item no. 733-334**

THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 4-pole; light gray

[www.wago.com/733-334](http://www.wago.com/733-334)


**Item no. 733-364**

THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 4-pole; light gray

[www.wago.com/733-364](http://www.wago.com/733-364)

## Compatible products

### Strain relief plate


**Item no.: 734-127**

Strain relief plate; light gray

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

### ferrule

**Item no.: 216-131**

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

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


**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.: 216-151**

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

[www.wago.com/216-151](http://www.wago.com/216-151)

**Item no.: 216-152**

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**

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

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	Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-322">www.wago.com/216-322</a>
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## tools

	<b>Item no.: 210-251</b> Operating tool; for MCS MICRO & 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.: 233-331</b> Operating tool; insulated; yellow	<a href="http://www.wago.com/233-331">www.wago.com/233-331</a>
	<b>Item no.: 233-332</b> Operating tool; made of insulating material	<a href="http://www.wago.com/233-332">www.wago.com/233-332</a>
	<b>Item no.: 233-335</b> Operating tool	<a href="http://www.wago.com/233-335">www.wago.com/233-335</a>
	<b>Item no.: 733-130</b> Operating tool; loose; natural	<a href="http://www.wago.com/733-130">www.wago.com/733-130</a>
	<b>Item no.: 733-191</b> Operating tool; loose; yellow	<a href="http://www.wago.com/733-191">www.wago.com/733-191</a>

## Marking accessories

	<b>Item no.: 210-331/250-202</b> Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	<a href="http://www.wago.com/210-331/250-202">www.wago.com/210-331/250-202</a>
	<b>Item no.: 210-331/250-204</b> Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	<a href="http://www.wago.com/210-331/250-204">www.wago.com/210-331/250-204</a>
	<b>Item no.: 210-331/250-206</b> Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	<a href="http://www.wago.com/210-331/250-206">www.wago.com/210-331/250-206</a>
	<b>Item no.: 210-331/250-207</b> Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	<a href="http://www.wago.com/210-331/250-207">www.wago.com/210-331/250-207</a>

## Test Accessories

	<b>Item no.: 735-500</b> Test pin; 1 mm Ø; with solder connection for test wire	<a href="http://www.wago.com/735-500">www.wago.com/735-500</a>
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## Downloads

## Documentation

## Additional Information

Technical explanations	Apr 3, 2019	pdf	Download
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Subject to changes. Please also observe the further product documentation!

## CAD/CAE-Data

### CAD data

2D/3D Models 733-104/037-000

[URL](#)

[Download](#)

### CAE data

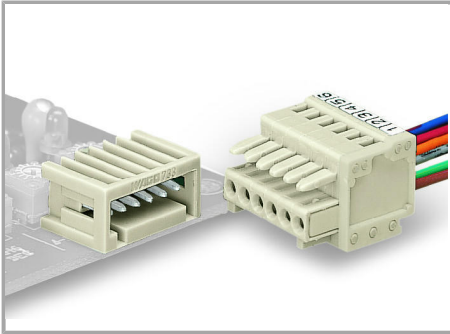
EPLAN Data Portal 733-104/037-000

[URL](#)

[Download](#)

## Installation Notes

### Protected Against Mismatching

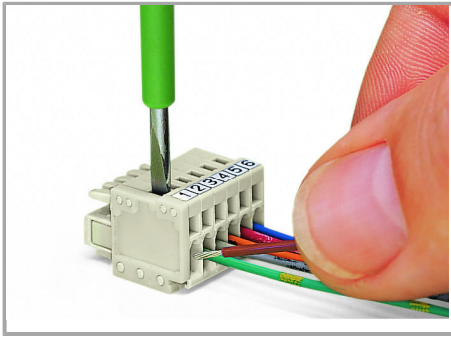


Male headers and female connectors are 100 % protected against mismatching.

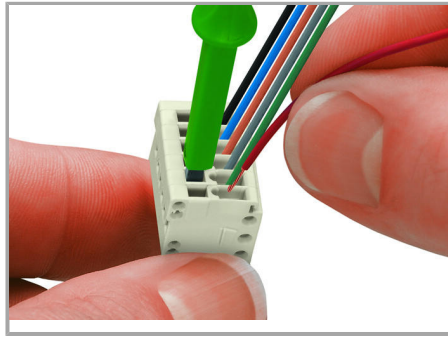
Only mating halves with the same pole number can be connected.

### Inserting a conductor

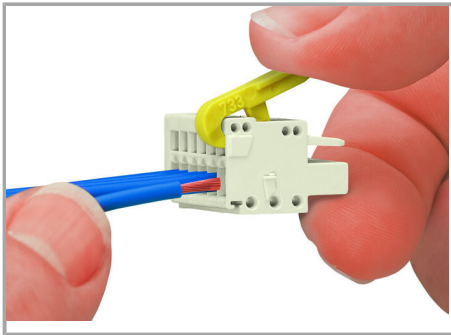
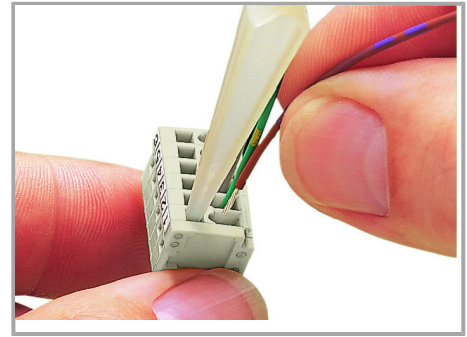
Subject to changes. Please also observe the further product documentation!



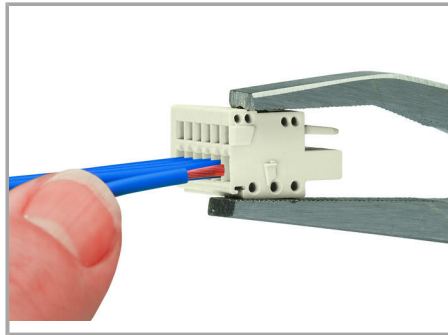
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



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

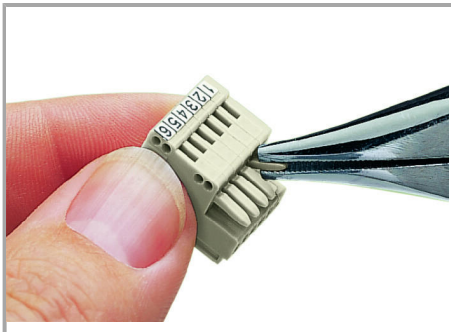


Inserting a conductor via 733-191 Operating Lever.



Inserting a conductor via 210-251 Operating Tool.

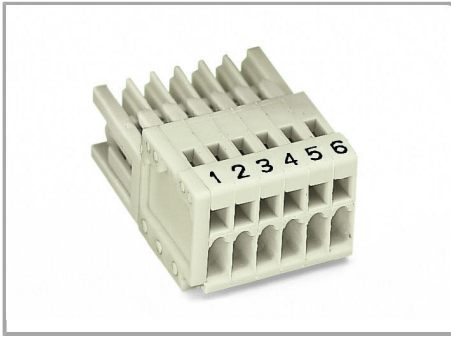
### Coding



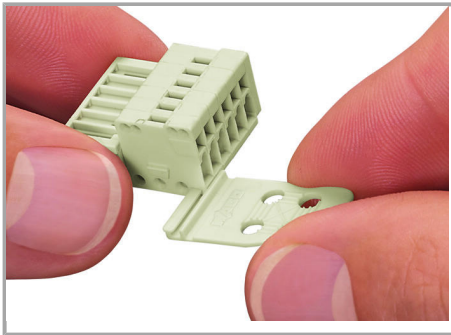
Coding a female connector – removing coding finger(s).

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



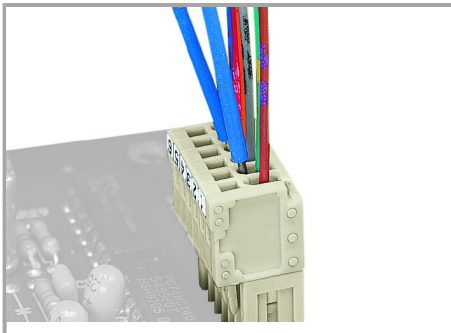


#### Assembly



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

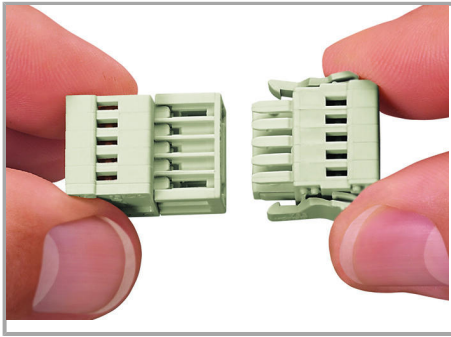
#### Testing



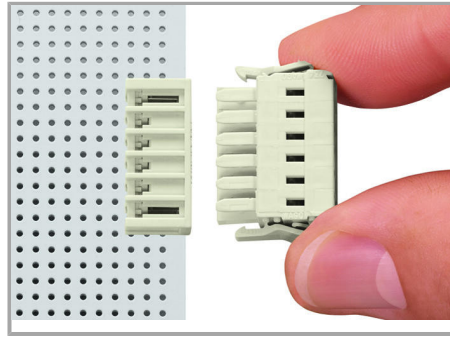
Testing via 1 mm Ø test pin ( 735-500) – touch contact.

#### Locking lever

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



Locking levers prevent accidental disconnection.



Locking levers prevent accidental disconnection.

## Product family

**<i>MCS</i> MICRO**

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

[Show all products from the family](#)

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