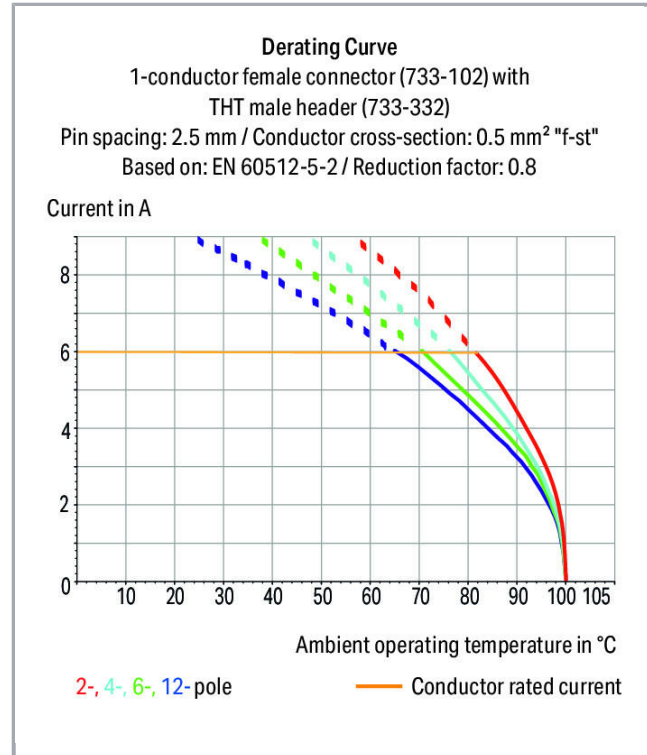


## Fișă tehnică | Număr articol: 733-105

1-conductor female plug; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 5-pole; 0,50 mm<sup>2</sup>; light gray

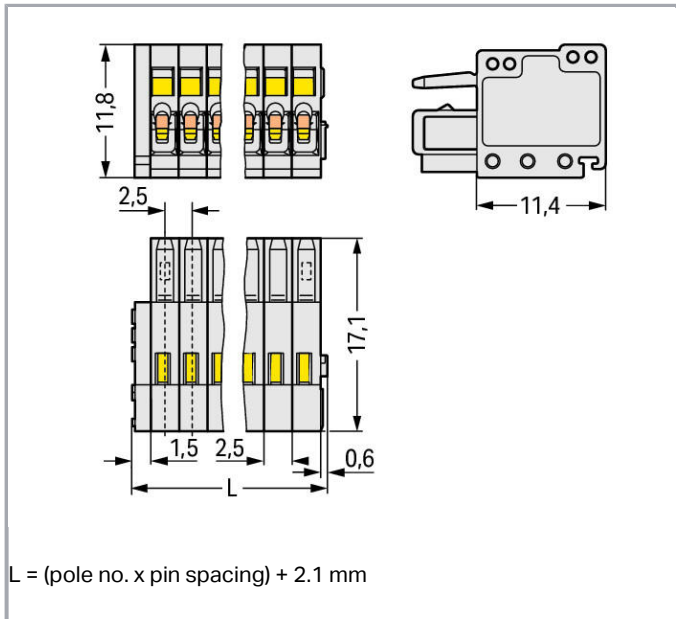
[www.wago.com/733-105](http://www.wago.com/733-105)



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building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- 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.

## Date

## Electrical data

### Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	100 V
Rated surge voltage (III/3)	2,5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2,5 kV
Nominal voltage (II/2)	320 V

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Rated surge 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 insulated ferrule	0,25 ... 0,34 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0,25 ... 0,34 mm <sup>2</sup>
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Pole No.	5
Total number of connection points	5
Total number of potentials	5
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	14,6 mm / 0.574 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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 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

Connector (connection type)	for conductor
Mismating protection	Yes

### Material Data

Color	light gray
Material group	I
Insulation 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	0,041 MJ
Weight	2,2 g

### Environmental Requirements



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

### Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4044918294034
Customs tariff number	85366990990




### Aprobări / certificate

#### Country specific Approvals



Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CSA DEKRA Certification B.V.	C22.2	1465035

#### Ship Approvals




Supus modificărilor.

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>ABS</b> American Bureau of Shipping	-	19- HG1869876- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	<b>LR</b> Lloyds Register	IEC 61984	96/20035 (E5)

## UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>UL</b> UL International Germany GmbH	UL 1977	E45171
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	20190122- E45172

## Counterpart

	<b>Nr. articol</b> 733-205 1-conductor male connector; 100% protected against mismatching; 0.5 mm <sup>2</sup> ; Pin spacing 2.5 mm; 5-pole; 0,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/733-205">www.wago.com/733-205</a>
	<b>Nr. articol</b> 733-205/033-000 1-conductor male connector; 100% protected against mismatching; Strain relief plate; 0.5 mm <sup>2</sup> ; Pin spacing 2.5 mm; 5-pole; 0,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/733-205/033-000">www.wago.com/733-205/033-000</a>
	<b>Nr. articol</b> 733-335 THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 5-pole; light gray	<a href="http://www.wago.com/733-335">www.wago.com/733-335</a>

**Nr. articol**733-335/105-604/997-446

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 5-pole; black

[www.wago.com/733-335/105-604/997-446](http://www.wago.com/733-335/105-604/997-446)



**Nr. articol**733-335/105-604

THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 5-pole; black

[www.wago.com/733-335/105-604](http://www.wago.com/733-335/105-604)



**Nr. articol**733-365

THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 5-pole; light gray

[www.wago.com/733-365](http://www.wago.com/733-365)



**Nr. articol**733-365/105-604

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 5-pole; black

[www.wago.com/733-365/105-604](http://www.wago.com/733-365/105-604)



**Nr. articol**733-365/105-604/997-406

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; in tape-and-reel packaging; Pin spacing 2.5 mm; 5-pole; black

[www.wago.com/733-365/105-604/997-406](http://www.wago.com/733-365/105-604/997-406)

## Produce compatibile

### Strain relief plate



**Nr. articol:** 734-128

Strain relief plate; 12.5 mm wide; light gray

[www.wago.com/734-128](http://www.wago.com/734-128)

### check



**Nr. articol:** 735-500

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

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

### Marking accessories

**Nr. articol:** 210-331/250-202

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

[www.wago.com/210-331/250-202](http://www.wago.com/210-331/250-202)

**Nr. articol:** 210-331/250-204

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

[www.wago.com/210-331/250-204](http://www.wago.com/210-331/250-204)

**Nr. articol:** 210-331/250-206

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














[www.wago.com/210-331/250-206](http://www.wago.com/210-331/250-206)

**Nr. articol:** 210-331/250-207

Supus modificărilor.

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

[www.wago.com/210-331/250-207](http://www.wago.com/210-331/250-207)

ferrule		
	<b>Nr. articol: 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>Nr. articol: 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>Nr. articol: 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>Nr. articol: 216-152</b> 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>Nr. articol: 216-301</b> 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>Nr. articol: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>
	<b>Nr. articol: 216-321</b> 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>Nr. articol: 216-322</b> 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>
tools		
	<b>Nr. articol: 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>Nr. articol: 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>Nr. articol: 233-331</b> Operating tool; insulated; yellow	<a href="http://www.wago.com/233-331">www.wago.com/233-331</a>
	<b>Nr. articol: 233-332</b> Operating tool; made of insulating material	<a href="http://www.wago.com/233-332">www.wago.com/233-332</a>
	<b>Nr. articol: 233-335</b> Operating tool	<a href="http://www.wago.com/233-335">www.wago.com/233-335</a>
	<b>Nr. articol: 733-130</b> Operating tool; loose; natural	<a href="http://www.wago.com/733-130">www.wago.com/733-130</a>
	<b>Nr. articol: 733-191</b> Operating tool; loose; yellow	<a href="http://www.wago.com/733-191">www.wago.com/733-191</a>

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Descărcări Documentation

### Additional Information

Technical explanations	Apr 3, 2019	pdf 3,6 MB	Descărcare
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## CAD/CAE-Data

### CAD data

2D/3D Models 733-105	URL	Descărcare
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### CAE data

EPLAN Data Portal 733-105	URL	Descărcare
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## Installation Notes

### Protected Against Mismatching



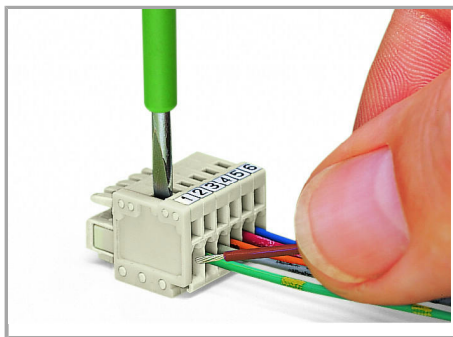
Male headers and female connectors are 100 % protected against mismatching.

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

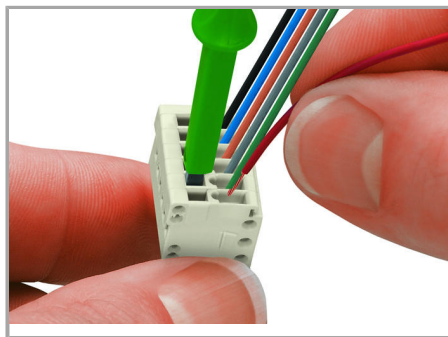
### Inserting a conductor

Supus modificărilor.

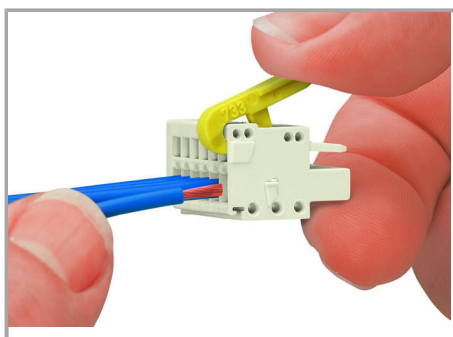
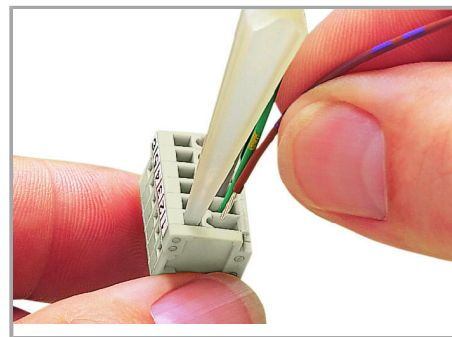




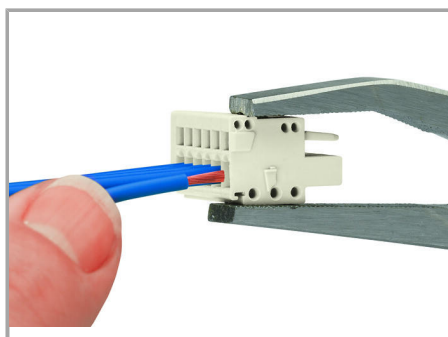
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



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

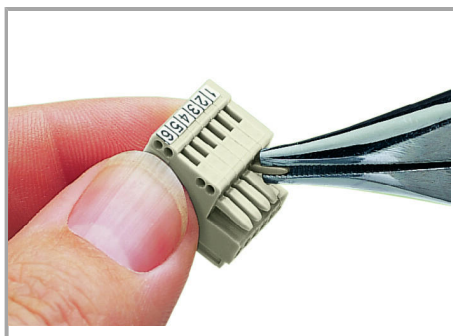


Inserting a conductor via 733-191 Operating Lever.



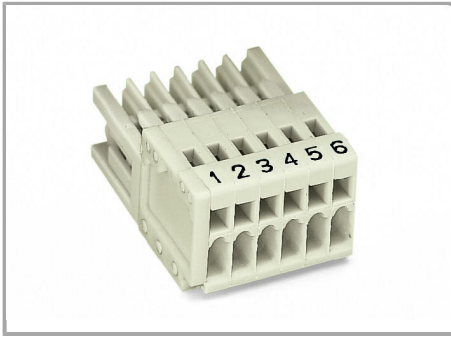
Inserting a conductor via 210-251 Operating Tool.

### Coding

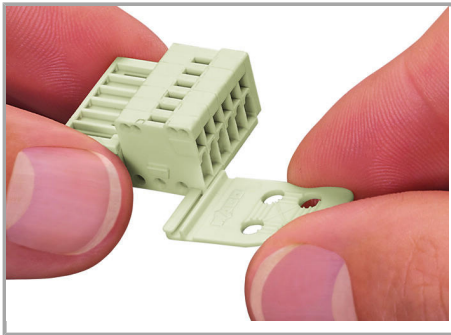


Coding a female connector – removing coding finger(s).

Supus modificărilor.

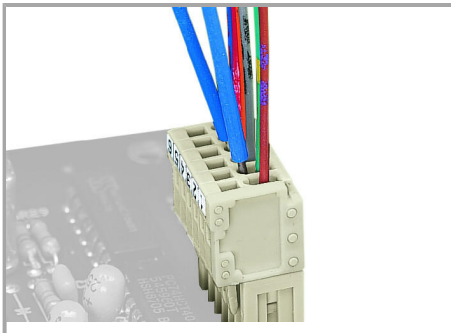


#### Assembly



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

#### Testing



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

#### Familie de produse

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

Afișare globală produse din familie.

Supus modificărilor.