

## Fișă tehnică | Număr articol: 733-105/010-000

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

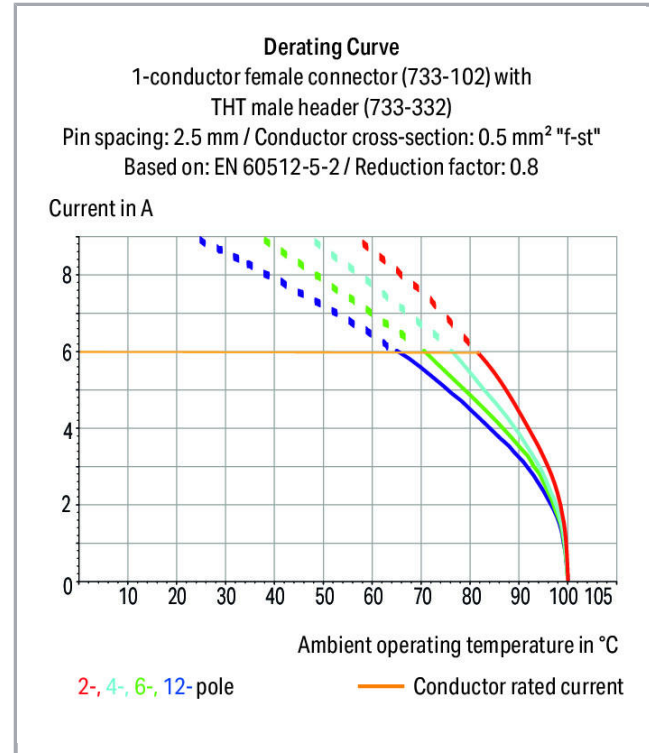
[www.wago.com/733-105/010-000](http://www.wago.com/733-105/010-000)



RoHS  Compliant

BOMcheck.net

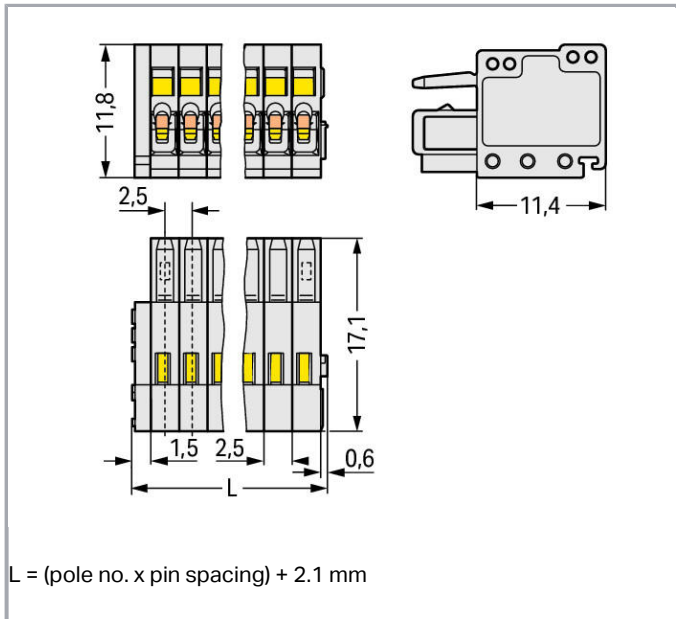
Culoare:



Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
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 *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.

## 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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Connector (connection type)	for conductors
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	gold-plated
Fire load	0,004 MJ
Weight	2,8 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	4044918366748
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

#### 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> 733-335 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>
	<b>Nr. articol</b> 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	<a href="http://www.wago.com/733-365">www.wago.com/733-365</a>







#### Produse compatibile

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## 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>


## Strain relief plate

	<b>Nr. articol: 734-128</b> Strain relief plate; 12.5 mm wide; light gray	<a href="http://www.wago.com/734-128">www.wago.com/734-128</a>
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## Marking accessories

	<b>Nr. articol: 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>Nr. articol: 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>Nr. articol: 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>Nr. articol: 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>

## 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>

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Nr. articol: 233-331  
Operating tool; insulated; yellow

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



Nr. articol: 233-332  
Operating tool; made of insulating material

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



Nr. articol: 233-335  
Operating tool

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



Nr. articol: 733-130  
Operating tool; loose; natural

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



Nr. articol: 733-191  
Operating tool; loose; yellow

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

#### 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)

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

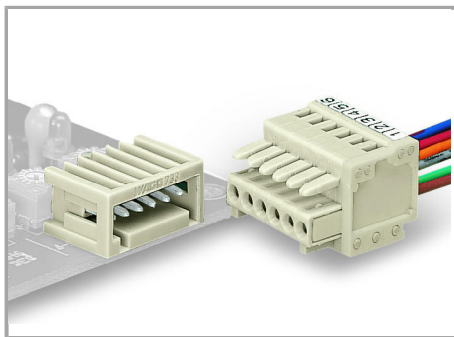
pdf  
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Descărcare

## Installation Notes

### Protected Against Mismatching

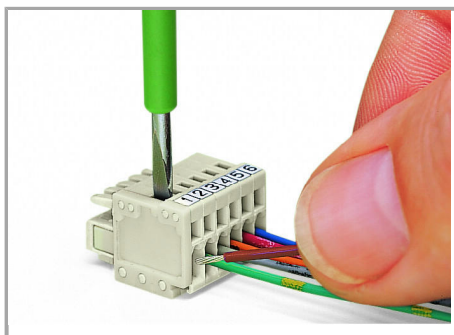
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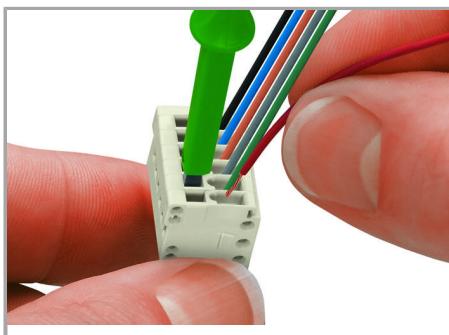
Male headers and female connectors are 100 % protected against mismatching.

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

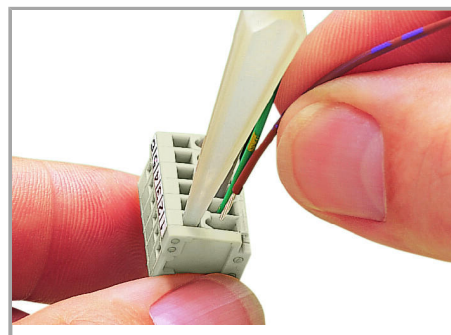
#### Inserting a conductor



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

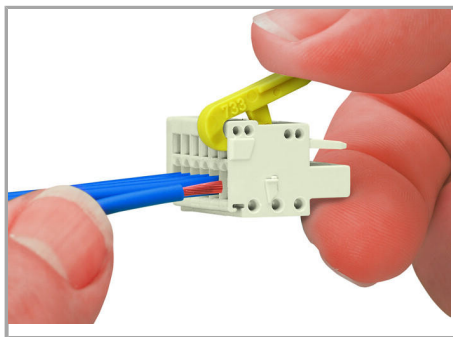


Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.

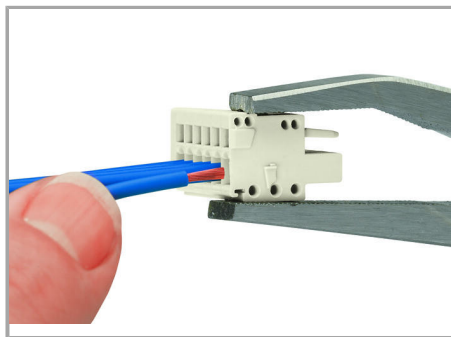


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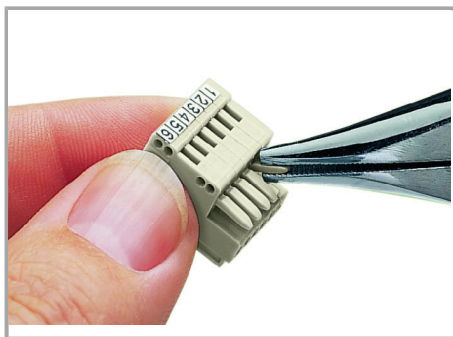


Inserting a conductor via 733-191 Operating Lever.

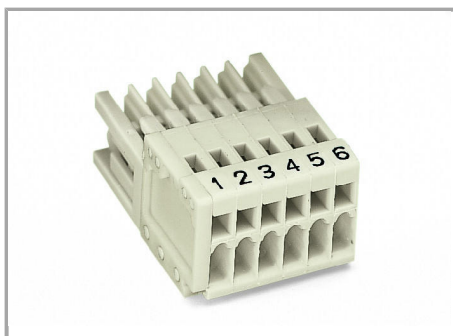


Inserting a conductor via 210-251 Operating Tool.

### Coding

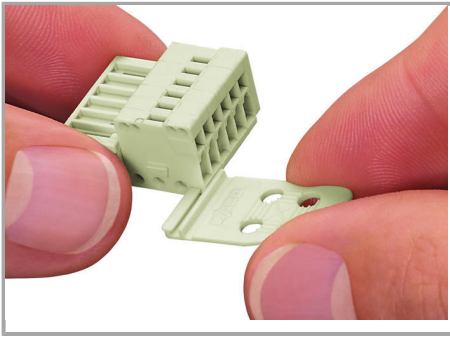


Coding a female connector – removing coding finger(s).



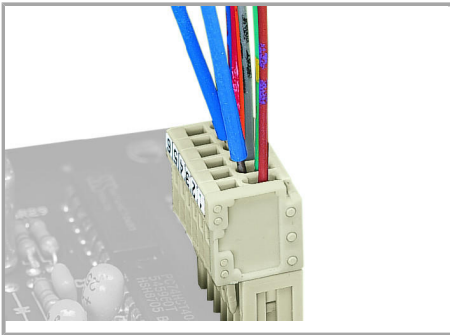
### Assembly

Supus modificărilor.



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

*MCS* MICRO

Afișare globală produse din familie.

Supus modificărilor.