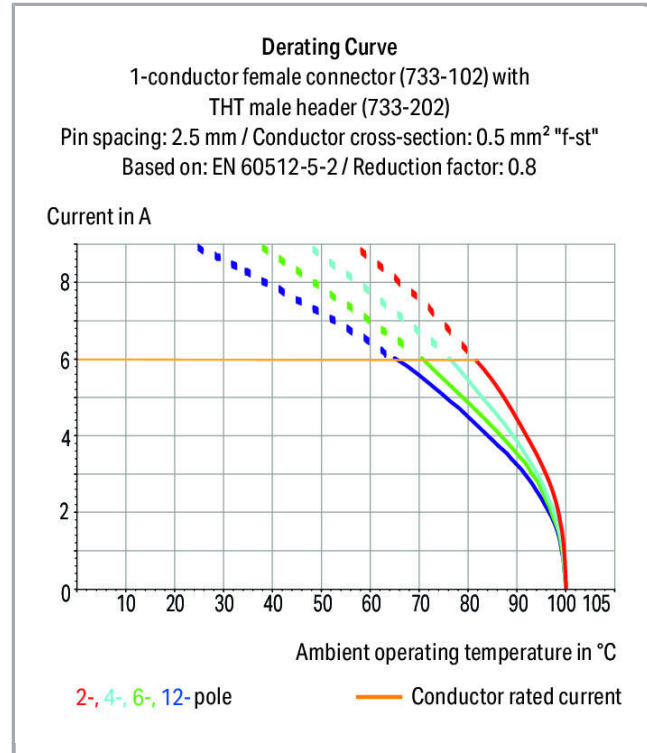


## Fișă tehnică | Număr articol: 733-209/033-000

1-conductor male connector; 100% protected against mismatching; Strain relief plate; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 9-pole; 0,50 mm<sup>2</sup>; light gray

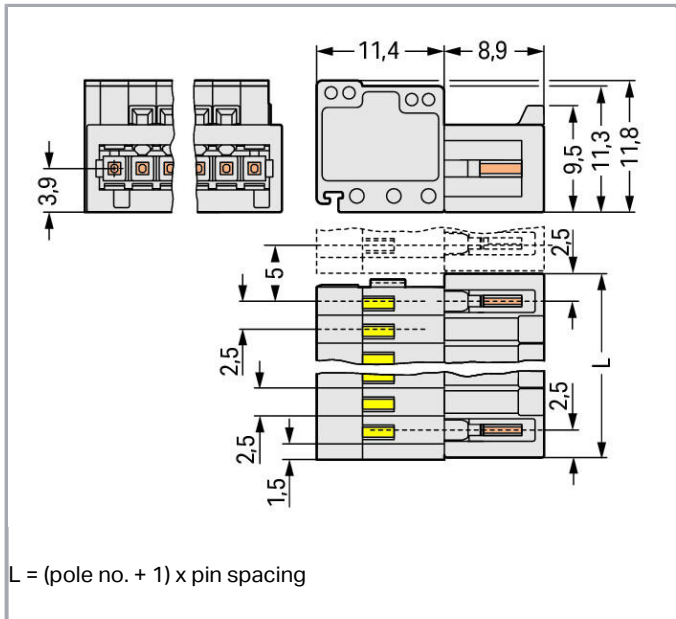
[www.wago.com/733-209/033-000](http://www.wago.com/733-209/033-000)



Supus modificărilor.

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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
- 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.

## 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.	9
Total number of connection points	9
Total number of potentials	9
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	25 mm / 0.984 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

### Plug connection

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

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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	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0,107 MJ
Weight	5,1 g

### Environmental Requirements



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

### Commercial data

Packaging type	BOX
Country of origin	PL
GTIN	4050821411512
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

Nume

Supus modificărilor.

Emblemă	Aprobare	Text de aprobare suplimentar	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

#### Counterpart



Nr. articol 733-109

1-conductor female plug; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 9-pole; light gray

[www.wago.com/733-109](http://www.wago.com/733-109)

#### Produse 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)

##### tools



Nr. articol: 210-251

Operating tool; for MCS MICRO & MINI with CAGE CLAMP® connection; yellow

[www.wago.com/210-251](http://www.wago.com/210-251)
















Nr. articol: 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)

Supus modificărilor.

	<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>
<b>ferrule</b>		
	<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>
<b>Coding</b>		
	<b>Nr. articol: 733-330</b> Coding key; snap-on type; white	<a href="http://www.wago.com/733-330">www.wago.com/733-330</a>
	<b>Nr. articol: 733-331</b> Coding key; snap-on type; black	<a href="http://www.wago.com/733-331">www.wago.com/733-331</a>

**Descărcări****Documentation****Additional Information**

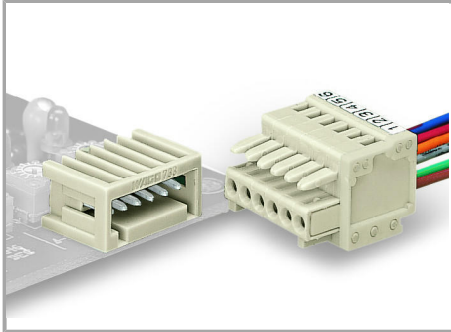
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## Installation Notes

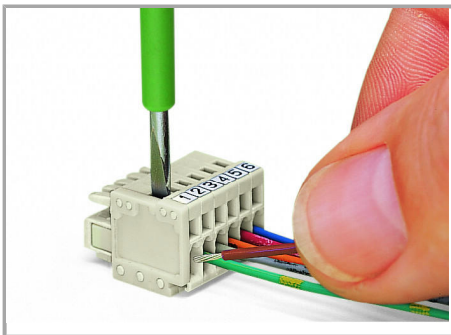
### Protected Against Mismatching



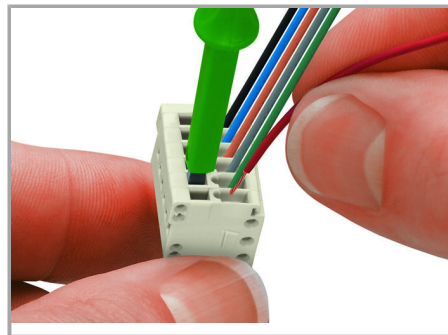
Male headers and female connectors are 100 % protected against mismatching.

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

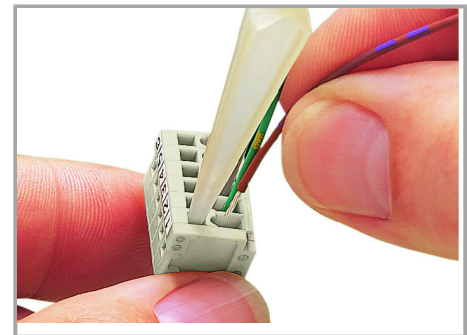
### Inserting a conductor



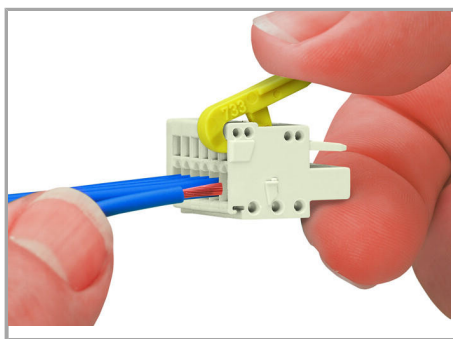
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



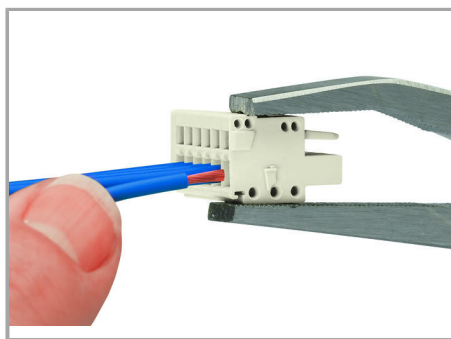
Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.



Supus modificărilor.

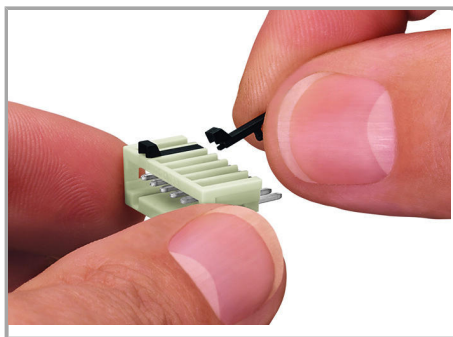


Inserting a conductor via 733-191 Operating Lever.

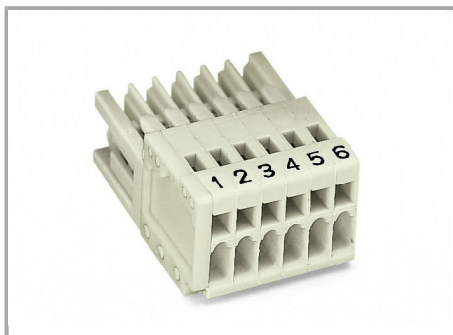


Inserting a conductor via 210-251 Operating Tool.

### Coding



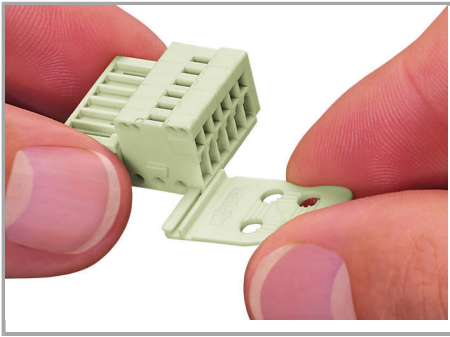
Coding a male header – fitting coding key(s).



### Assembly

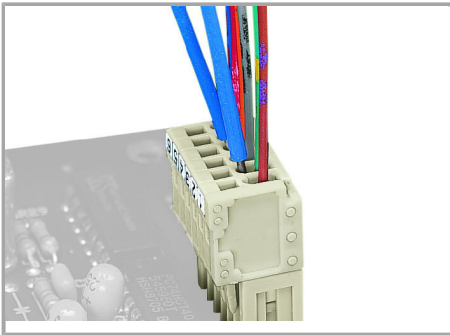
Supus modificărilor.





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.