

## Fișă tehnică | Număr articol: 733-207

1-conductor male connector; 100% protected against mismatching; 0.5 mm<sup>2</sup>;  
Pin spacing 2.5 mm; 7-pole; 0,50 mm<sup>2</sup>; light gray

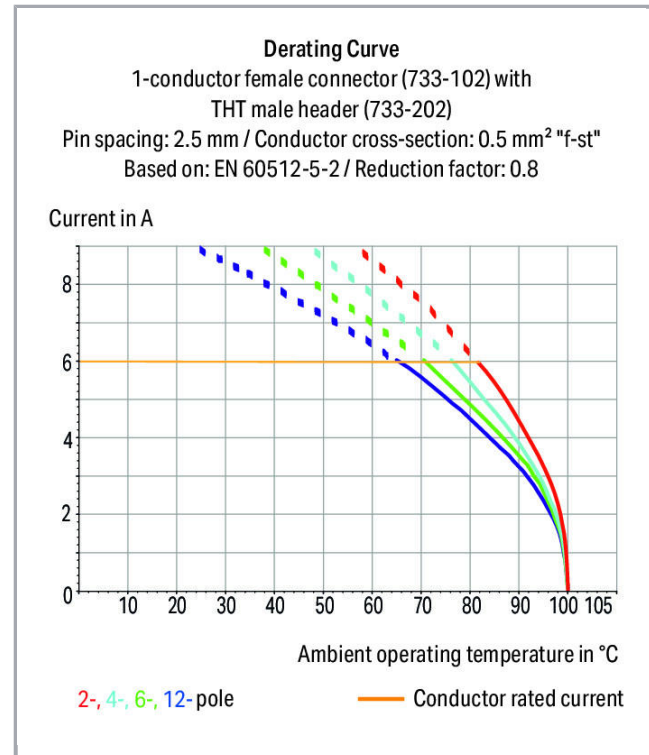
[www.wago.com/733-207](http://www.wago.com/733-207)



RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

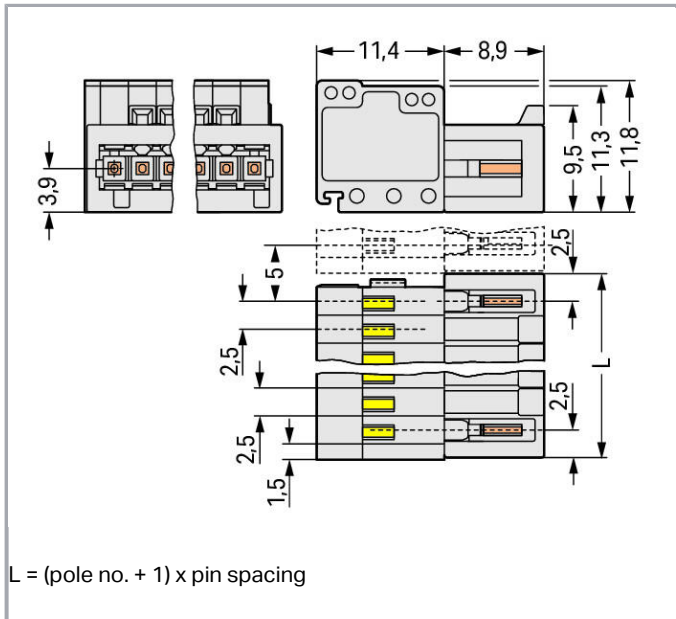
Culoare:



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](mailto: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

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.



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.	7
Total number of connection points	7
Total number of potentials	7
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	20 mm / 0.787 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

### Plug connection

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

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.

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	0,07 MJ
Weight	3,5 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	4044918849586
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



#### Nr. articol733-107

1-conductor female plug; 100% protected against mismatching; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 7-pole; 0,50 mm<sup>2</sup>; light gray [www.wago.com/733-107](http://www.wago.com/733-107)



#### Nr. articol733-107/037-000

1-conductor female plug; 100% protected against mismatching; Locking lever; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 7-pole; 0,50 mm<sup>2</sup>; light gray

[www.wago.com/733-107/037-000](http://www.wago.com/733-107/037-000)

### Produse compatibile

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.







## Coding

	<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>






## check

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

## 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>

Supus modificărilor.



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)

#### 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)

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
3,6 MB

Descărcare

## CAD/CAE-Data

### CAD data

2D/3D Models 733-207

URL

Descărcare

### CAE data

EPLAN Data Portal 733-207

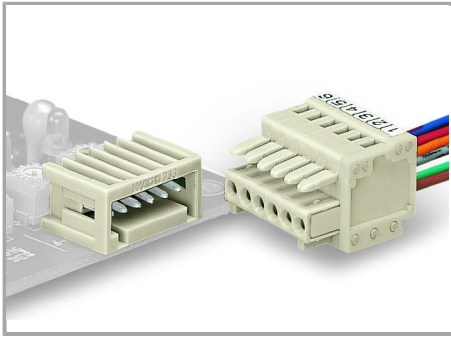
URL

Descărcare

## Installation Notes

Protected Against Mismatching

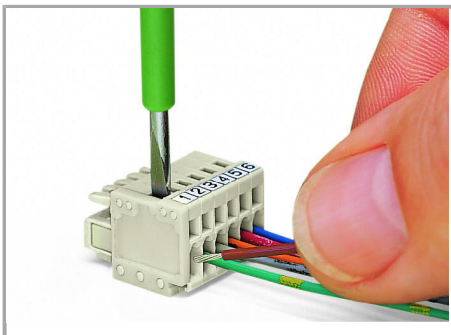
Supus modificărilor.



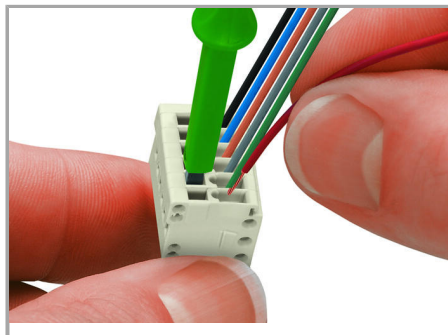
Male headers and female connectors are 100 % protected against mismatching.

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

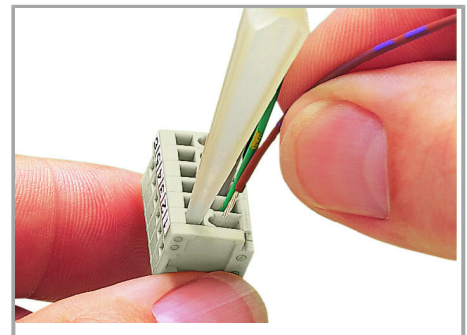
#### Inserting a conductor



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

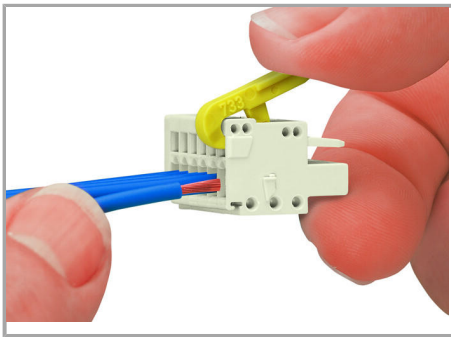


Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.

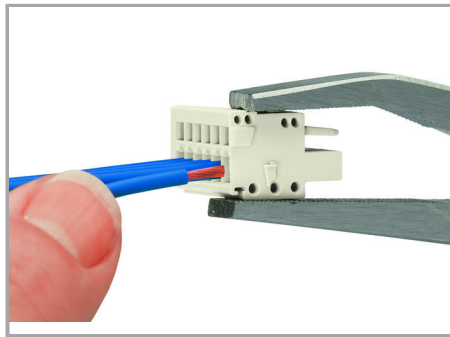


Supus modificărilor.



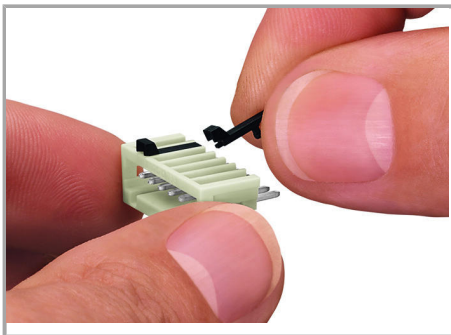


Inserting a conductor via 733-191 Operating Lever.

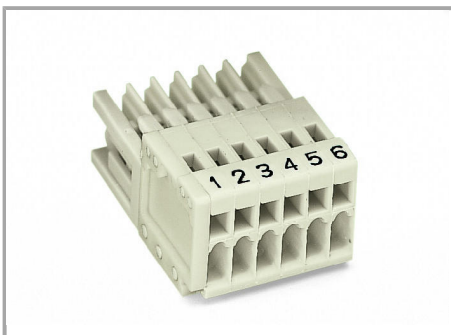


Inserting a conductor via 210-251 Operating Tool.

### Coding

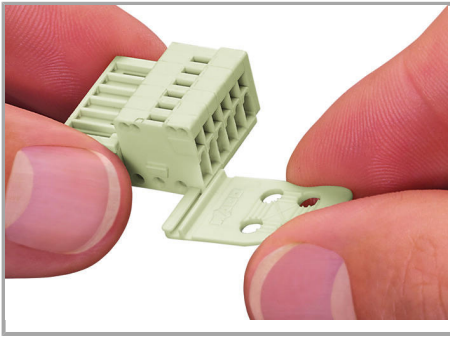


Coding a male header – fitting coding key(s).



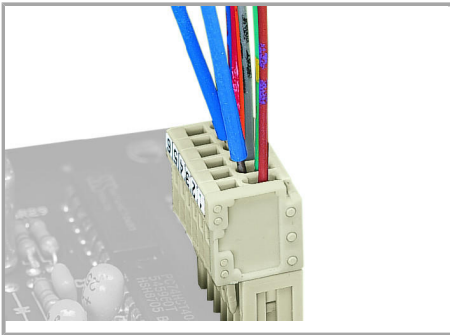
### Assembly

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.