

Data sheet | Item number: 733-202

1-conductor male connector; 100% protected against mismatching; 0.5 mm²;
Pin spacing 2.5 mm; 2-pole; 0,50 mm²; light gray



www.wago.com/733-202

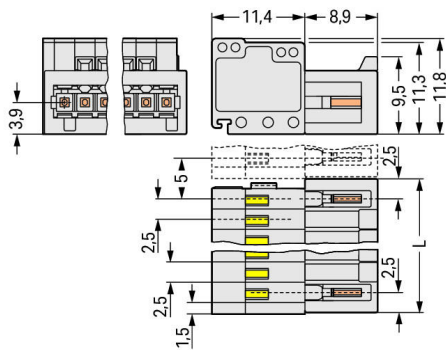
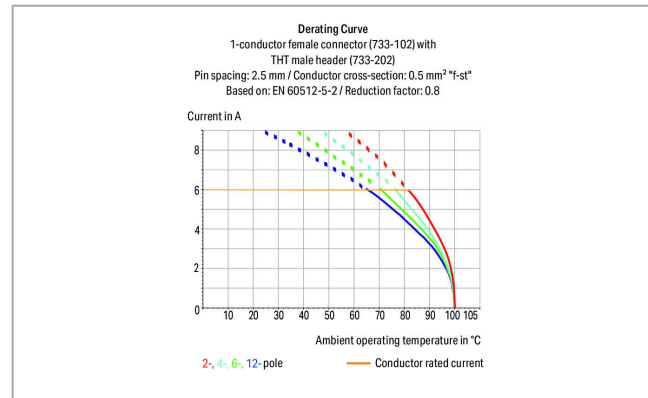


 Picture differs from the item.

RoHS  Compliant



Color: 



$$L = (\text{pole no.} + 1) \times \text{pin spacing}$$

Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP[®] actuation

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- For wire-to-wire connections
- 100% protected against mismatching
- Coding option available

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
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
Rated surge voltage (II/2)	2.5 kV
Rated current	6 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A

Ratings per CSA

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

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



Solid conductor	0.08 ... 0.5 mm ² / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm ² / 28 ... 20 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.34 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm ²
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Pole No.	2
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	2.5 mm / 0.098 inch
Width	7.5 mm / 0.295 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes

Material data

Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.025 MJ
Weight	1.2 g

Environmental requirements

Limit temperature range	-60 ... +100 °C
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Subject to changes. Please also observe the further product documentation!

Commercial data




Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918849524
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 61984	2169534.01
	CCA DEKRA Certification B.V.	IEC 61984	NL-31141
	CSA DEKRA Certification B.V.	C22.2	1465035

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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Subject to changes. Please also observe the further product documentation!



UL
UL International Germany GmbH

UL 1977

E45171



UR
Underwriters Laboratories Inc.

UL 1059

E45172-
19950922

Counterpart



Item no.733-102

1-conductor female plug; 100% protected against mismatching; 0.5 mm²; Pin spacing 2.5 mm; 2-pole; 0,50 mm²; light gray www.wago.com/733-102



Item no.733-102/037-000/032-000

1-conductor female plug; 100% protected against mismatching; Locking lever; Strain relief plate; direct marking; 0.5 mm²; Pin spacing 2.5 mm; 2-pole; 0,50 mm²; light gray

www.wago.com/733-102/037-000/032-000



Item no.733-102/037-000

1-conductor female plug; 100% protected against mismatching; Locking lever; 0.5 mm²; Pin spacing 2.5 mm; 2-pole; 0,50 mm²; light gray

www.wago.com/733-102/037-000

Compatible products

ferrule



Item no.: 216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-131



Item no.: 216-132

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-132



Item no.: 216-151

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-151



Item no.: 216-152

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-152

Item no.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301



Item no.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

www.wago.com/216-302

Item no.: 216-321

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-321

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	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
tools		
	Item no.: 210-251 Operating tool; for MCS MICRO & MINI with CAGE CLAMP® connection; yellow	www.wago.com/210-251
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719
	Item no.: 233-331 Operating tool; insulated; yellow	www.wago.com/233-331
	Item no.: 233-332 Operating tool; made of insulating material; white	www.wago.com/233-332
	Item no.: 233-335 Operating tool; yellow	www.wago.com/233-335
	Item no.: 733-130 Operating tool; loose; natural	www.wago.com/733-130
	Item no.: 733-191 Operating tool; loose; yellow	www.wago.com/733-191
Coding		
	Item no.: 733-330 Coding key; snap-on type; white	www.wago.com/733-330
	Item no.: 733-331 Coding key; snap-on type; black	www.wago.com/733-331
Strain relief plate		
	Item no.: 734-127 Strain relief plate; light gray	www.wago.com/734-127
check		
	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	www.wago.com/735-500

Downloads

Documentation

Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
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CAD/CAE-Data

CAD data

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2D/3D Models 733-202	URL	Download
CAE data		
EPLAN Data Portal 733-202	URL	Download
ZUKEN Portal 733-202	URL	Download

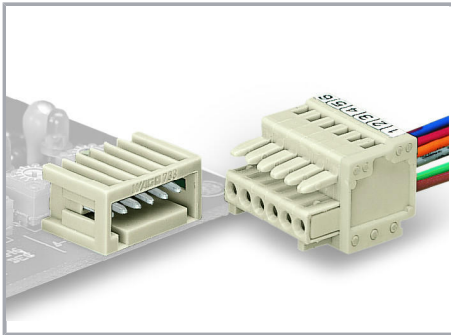
Environmental Product Compliance

Compliance Search

Environmental Product Compliance 733-202	URL	Download
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Installation Notes

Mismatching protection

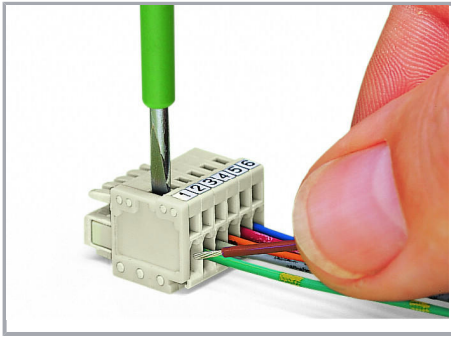


Male headers and female connectors are 100 % protected against mismatching.

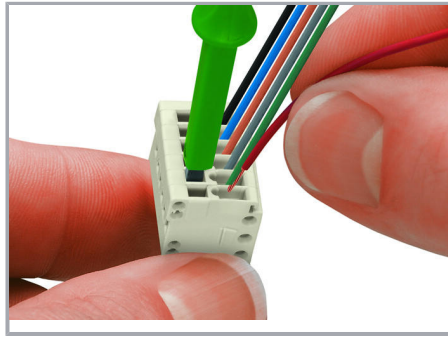
Only mating halves with the same pole number can be connected.

Conductor termination

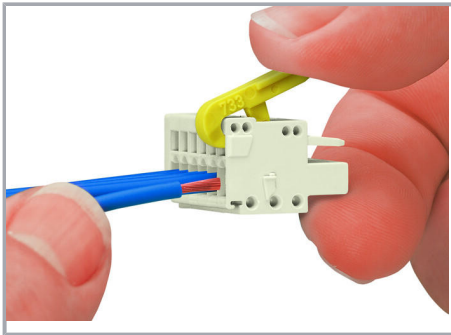
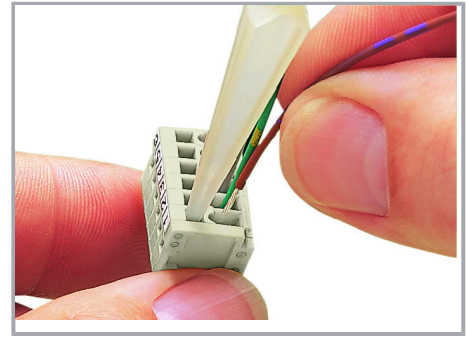
Subject to changes. Please also observe the further product documentation!



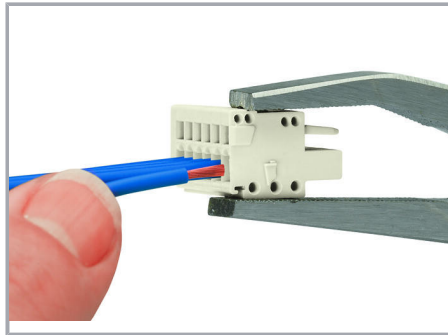
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



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

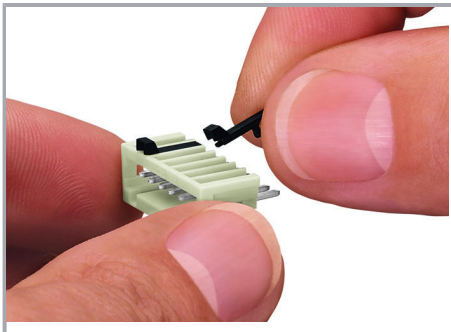


Inserting a conductor via 733-191 Operating Lever.



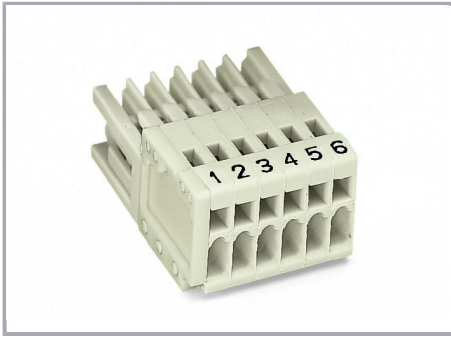
Inserting a conductor via 210-251 Operating Tool.

Coding

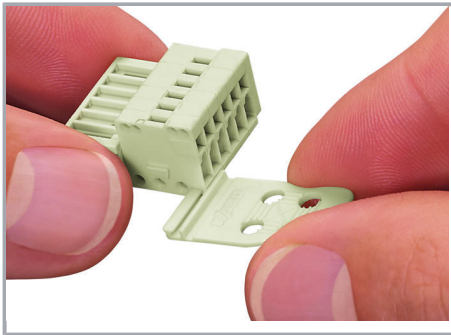


Coding a male header – fitting coding key(s).

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



Installation



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

Testing



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

Product family

<i>MCS</i> MICRO

[Show all products from the family](#)

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