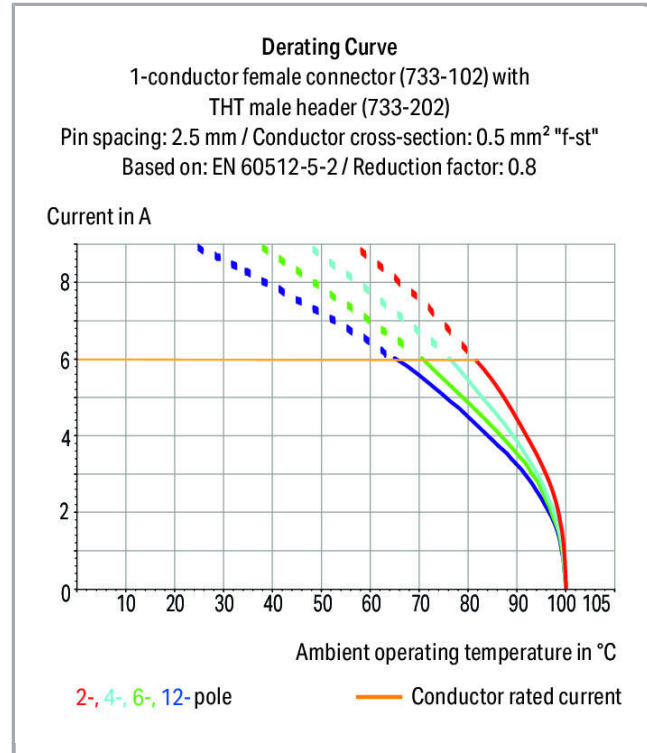


Data sheet | Item number: 733-202

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

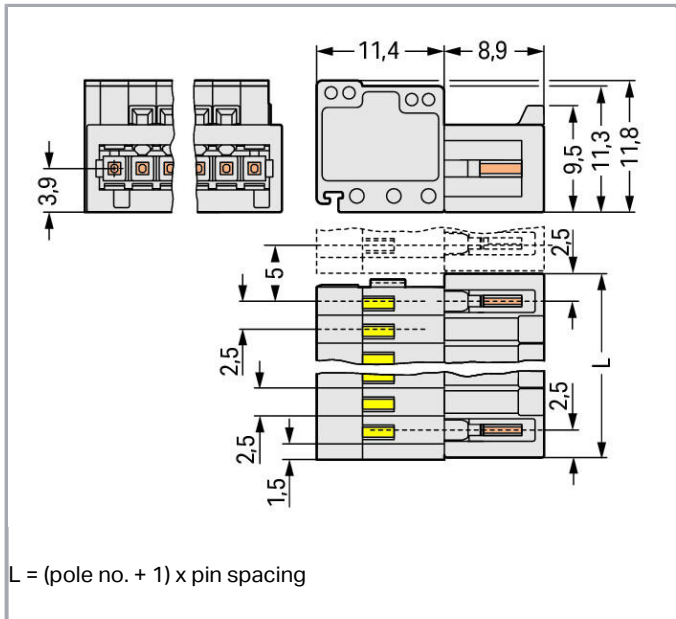
www.wago.com/733-202



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.



Item description

- 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	100 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V

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



Rated impulse 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 ² / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm ² / 28 ... 20 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 0.34 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.34 mm ²
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
No. of poles	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°

Geometrical 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 connection

Contact type (pluggable connector)	Male connector/plug
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Subject to changes. Please also observe the further product documentation!

Connector connection type	for conductors
Mismating protection	Yes

Material Data

Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
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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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918849524
Customs Tariff No.	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

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




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
	UL UL International Germany GmbH	UL 1977	E45171
	UR Underwriters Laboratories Inc.	UL 1059	20190122- E45172



Counterpart

	Item no.733-102 1-conductor female plug; 100% protected against mismatching; 0.5 mm ² ; Pin spacing 2.5 mm; 2-pole; 0,50 mm ² ; 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 mm ² ; Pin spacing 2.5 mm; 2-pole; 0,50 mm ² ; 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 mm ² ; Pin spacing 2.5 mm; 2-pole; 0,50 mm ² ; light gray	www.wago.com/733-102/037-000

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

Compatible products

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	www.wago.com/233-332
	Item no.: 233-335 Operating tool	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


Test Accessories

	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	www.wago.com/735-500
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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

ferrule

	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152

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



	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
Strain relief plate		
	Item no.: 734-127 Strain relief plate; light gray	www.wago.com/734-127

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 733-202	URL	Download
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CAE data

EPLAN Data Portal 733-202	URL	Download
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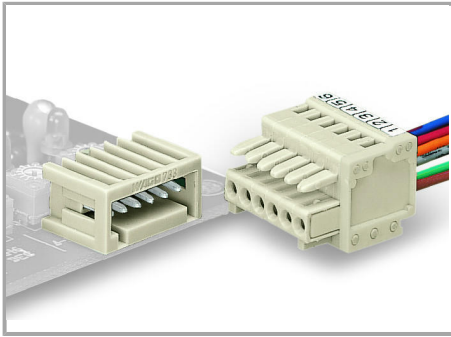
Installation Notes

Protected Against Mismatching

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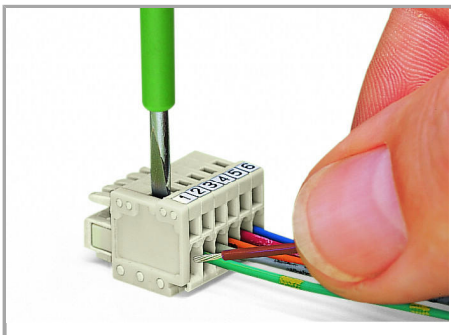
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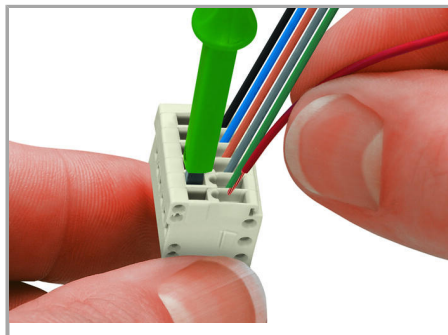
Male headers and female connectors are 100 % protected against mismatching.

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

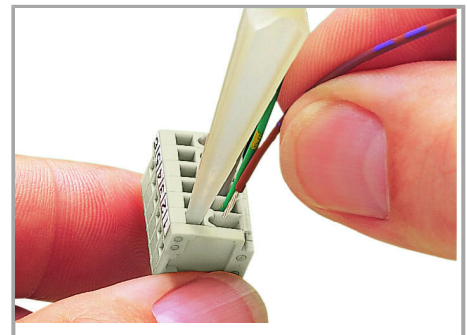
Inserting a conductor



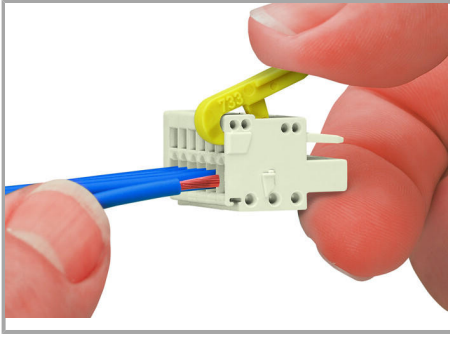
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



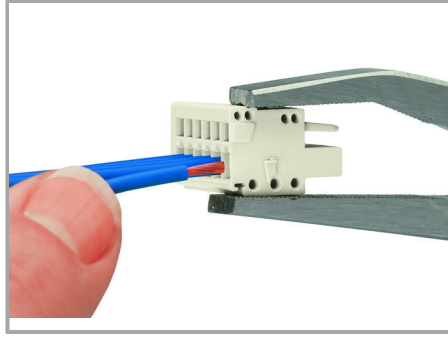
Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.



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

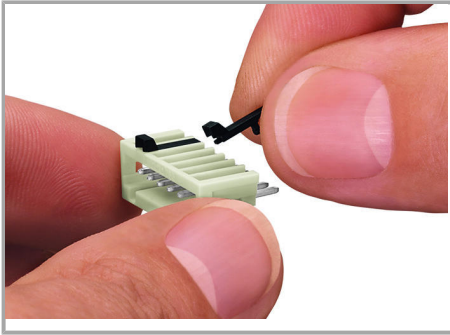


Inserting a conductor via 733-191 Operating Lever.

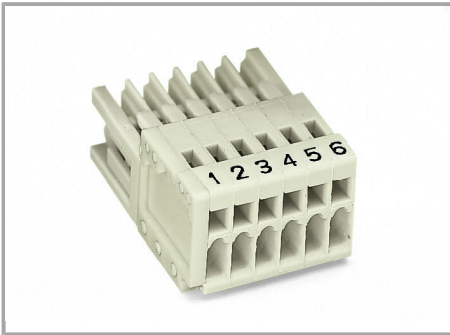


Inserting a conductor via 210-251 Operating Tool.

Coding

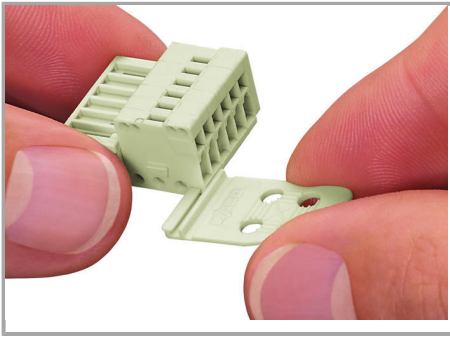


Coding a male header – fitting coding key(s).



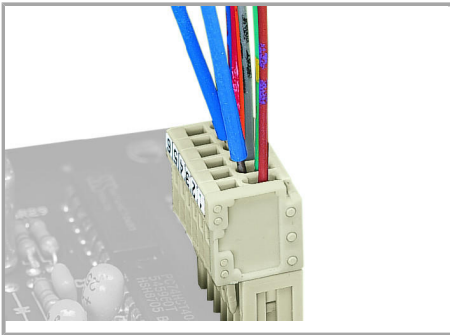
Assembly

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



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

[Learn more about the product family.](#)

[Show all products from the family](#)

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