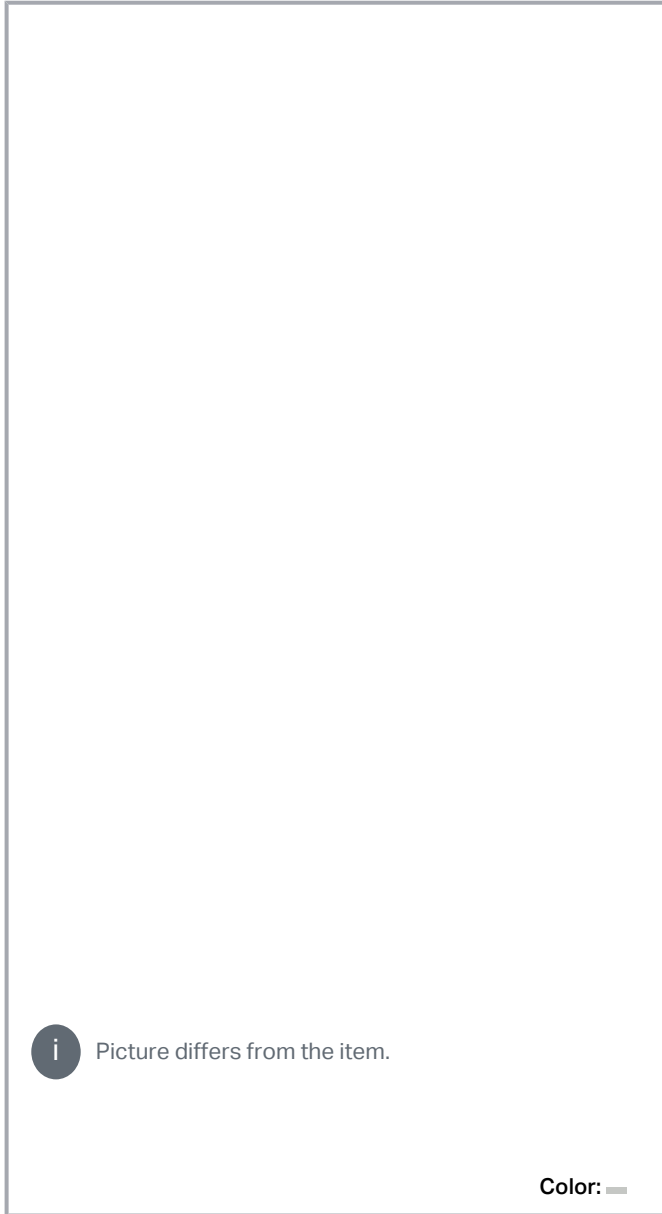


Data sheet | Item number: 733-204

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

www.wago.com/733-204



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

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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 option available

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

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Data

Notes

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.

Variants:

Other pole numbers
Gold-plated or partially gold-plated contact surfaces
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>

Electrical data

Ratings per IEC/EN

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) $\hat{=}$ Overvoltage category III / Pollution degree 2

Ratings per UL

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

Total number of connection points	4
-----------------------------------	---

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Total number of potentials	4
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 0.5 mm² / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm² / 28 ... 20 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.34 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm²
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Pole No.	4
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	2.5 mm / 0.098 inch
Width	12.5 mm / 0.492 inch
Height	11.8 mm / 0.465 inch
Depth	20.3 mm / 0.799 inch

Mechanical data

Variable coding	Ja
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Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Locking of plug-in connection	Without

Material data

Note on material data	Information on material data can be found here
Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0

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



Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.043 MJ
Weight	2.1 g

Environmental requirements

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

Product Group	3 (Multi Conn. System)
PU (SPU)	200 Stück
Packaging type	box
Country of origin	PL
GTIN	4044918849548
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

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

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	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	E45172

Counterpart

Item no. 733-104 1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 4-pole; 100% protected against mismatching; 0,50 mm²; light gray	www.wago.com/733-104
Item no. 733-104/037-000 1-conductor female connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 4-pole; 100% protected against mismatching; Lateral locking levers; 0,50 mm²; light gray	www.wago.com/733-104/037-000

Optional accessories

Tool

Operating tool		
	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.: 233-332 Operating tool; made of insulating material; white	www.wago.com/233-332
	Item no.: 233-331 Operating tool; insulated; yellow	www.wago.com/233-331
	Item no.: 233-335	www.wago.com/233-335

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

Operating tool; green

Item no.: 733-191

Operating tool; made of insulating material; 1-way; loose; yellow

www.wago.com/733-191**Item no.: 733-130**

Operating tool; made of insulating material; 1-way; loose; white

www.wago.com/733-130**Coding**

Coding

**Item no.: 733-330**

Coding key; snap-on type

www.wago.com/733-330**Item no.: 733-331**

Coding key; snap-on type

www.wago.com/733-331**Strain relief**

Strain relief plate

**Item no.: 734-127**

Strain relief plate; light gray

www.wago.com/734-127**Ferrule**

Ferrule

1

Item no.: 216-132Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin platedwww.wago.com/216-132

1

Item no.: 216-131Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-131

1

Item no.: 216-152Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin platedwww.wago.com/216-152

1

Item no.: 216-151Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin platedwww.wago.com/216-151

1

Item no.: 216-301Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-301

1

Item no.: 216-321Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellowwww.wago.com/216-321

1

Item no.: 216-322Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-322

1

Item no.: 216-302Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoisewww.wago.com/216-302**Testing and measuring**

Testing accessories

Item no.: 735-500

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

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WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 6 mm uninsulated; Test lead for soldering up to 0,5 mm² www.wago.com/735-500

Downloads

Documentation

Additional Information

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

CAD data

2D/3D Models 733-204	URL	Download
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CAE data

ZUKEN Portal 733-204	URL	Download
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EPLAN Data Portal 733-204	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 733-204	URL	Download
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1-conductor male connector; CAGE CLAMP®; 0.5 mm²; Pin spacing 2.5 mm; 4-pole;
100% protected against mismatching; 0,50 mm²; light gray

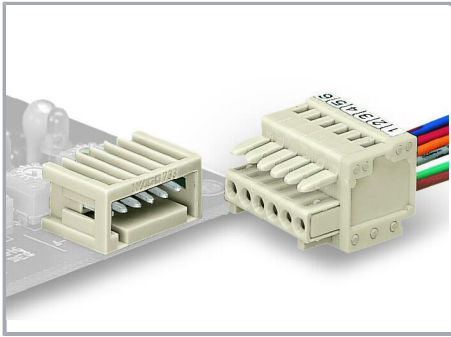
Installation Notes

Mismatching protection

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

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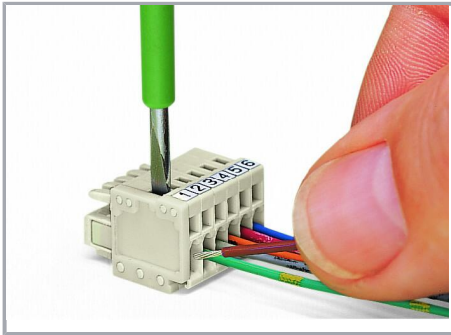
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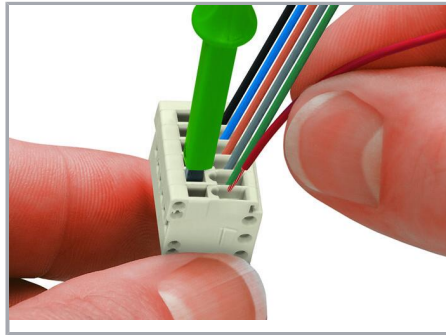
Male headers and female connectors are 100% protected against mismatching.

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

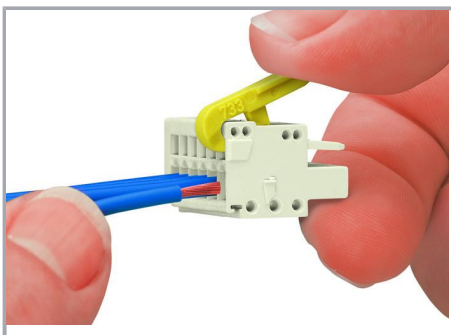
Conductor termination



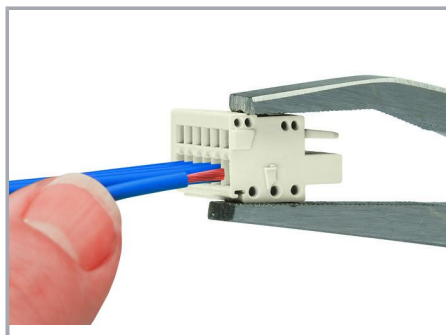
Inserting conductor via (2.5 x 0.4) mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Conductor termination via screwdriver (233-335) – parallel to CAGE CLAMP® actuation



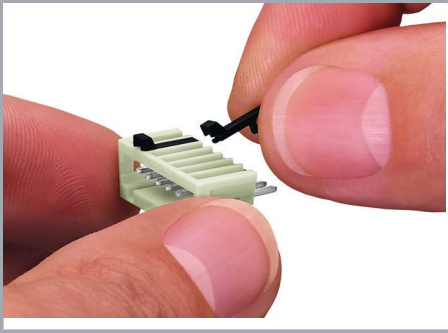
Conductor termination via operating tool (733-191)



Conductor termination via operating tool (210-251)

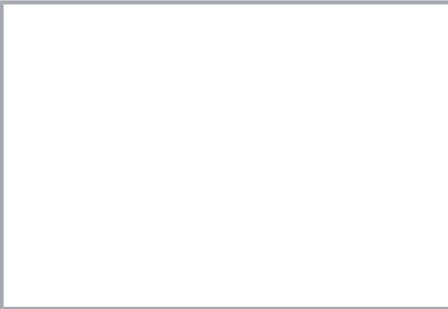
Subject to changes. Please also observe the further product documentation!

Coding

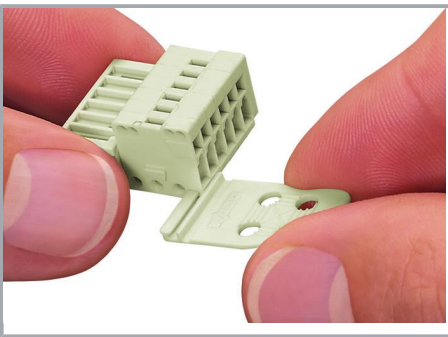


Coding a male header – fitting coding key(s).

Marking



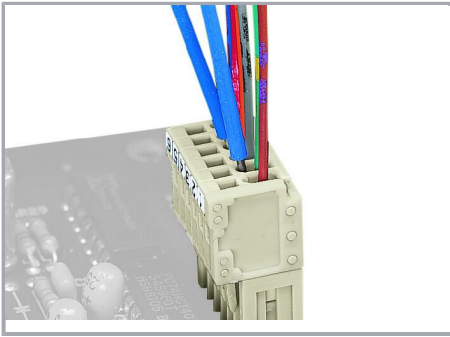
Installation



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

Testing

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



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

Product family

MCS MICRO

[Show all products from the family](#)

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

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