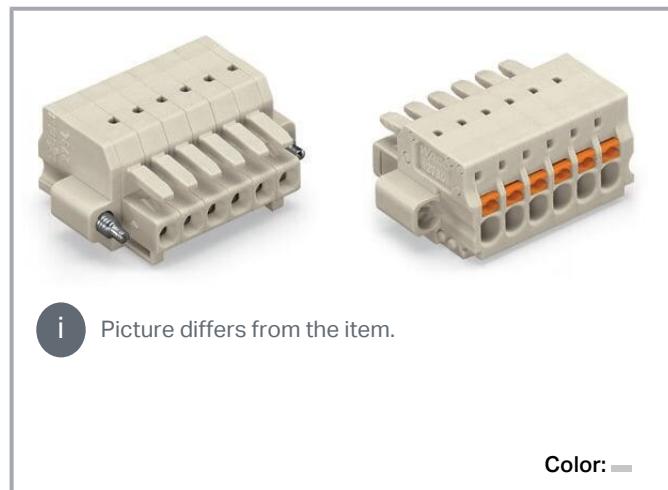


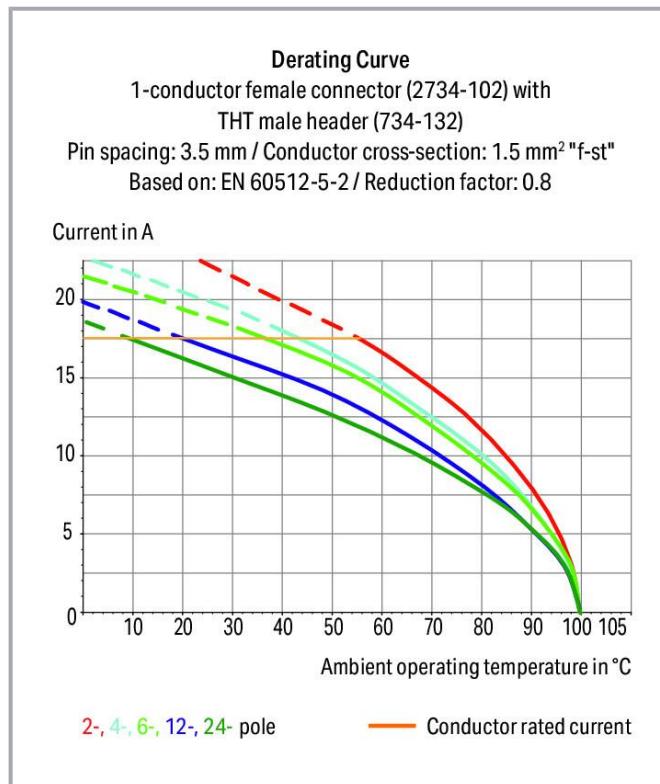
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

www.wago.com/2734-109/107-000

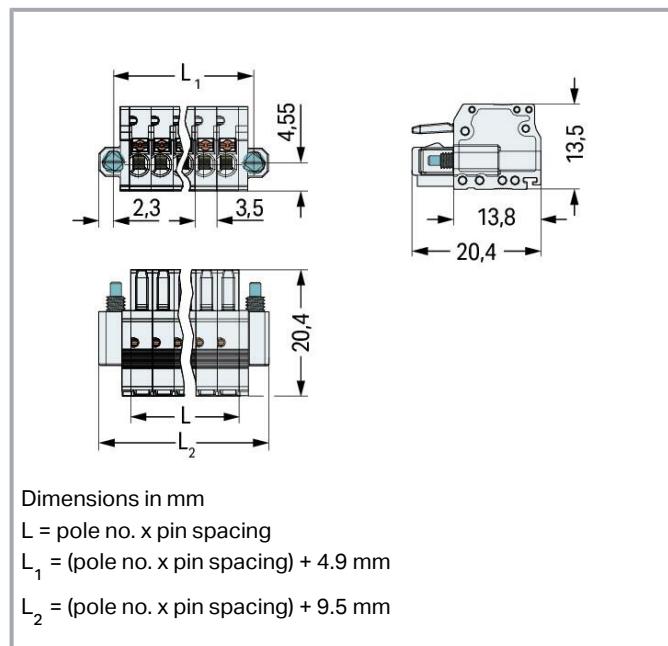


Picture differs from the item.

Color: —



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



Item description

- Universal connection for all conductor types
- Easy-to-use design does not require specialty tools
- Ability to wire while mated
- Simple, push-in termination of solid and ferruled conductors
- Integrated test ports for testing parallel to the conductor entry
- 100% protected against mismatching
- Coding option available

Data

Notes

Safety information

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. 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/>.

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

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Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) \triangleq Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection points	9
Total number of potentials	9
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP [®]
-----------------------	---------------------------------

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

Actuation type	Push-button
Actuation direction 1	Operation parallel to conductor entry
Solid conductor	0.2 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor	0.2 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm ²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	9
Conductor entry direction to mating direction	0 °

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	41 mm / 1.614 inches
Height	13.5 mm / 0.531 inches
Depth	20.4 mm / 0.803 inches

Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Plugging without loss of pin spacing	No
Locking of plug-in connection	Screw flange

Material data

Note (material data)	Information on material specifications can be found here
----------------------	--

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	Copper alloy

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

Contact plating	Tin
Fire load	0.161 MJ
Weight	8.8 g

Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-03-09
eCl@ss 9.0	27-44-03-09
ETIM 8.0	EC002638
ETIM 7.0	EC002638
PU (SPU)	50 pcs
Packaging type	box
Country of origin	PL
GTIN	4055143285421
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-23611
	CCA DEKRA Certification B.V.	EN 61984	2147056.01
	CSA DEKRA Certification B.V.	C22.2 No. 158	2314554
UL	UL 1977		E 45171

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



Underwriters Laboratories Inc.



UR

Underwriters Laboratories Inc.

UL 1059

E45172

Counterpart



Item no.734-309/109-000

1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismating; Threaded flange; 1,50 mm²; light gray www.wago.com/734-309/109-000



Item no.734-139/108-000

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating; Threaded flange; Pin spacing 3.5 mm; 9-pole; light gray www.wago.com/734-139/108-000



Item no.734-169/108-000

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Threaded flange; Pin spacing 3.5 mm; 9-pole; light gray www.wago.com/734-169/108-000

Optional accessories

Strain relief

Strain relief plate



Item no.: 734-129

Strain relief plate; for female and male connectors; 25 mm wide; 1 part; Pin spacing 3.5 mm; light gray

www.wago.com/734-129

Tool

Operating tool



Item no.: 210-250

Operating tool; for MCS MINI and MIDI with CAGE CLAMP® connection; red

www.wago.com/210-250



Item no.: 210-251

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

www.wago.com/210-251



Item no.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647

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

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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.: 734-230



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

www.wago.com/734-230

Item no.: 734-190



Combination operating tool; natural

www.wago.com/734-190

Item no.: 734-191



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

www.wago.com/734-191

Item no.: 734-231



Operating tool; black

www.wago.com/734-231

Ferrule

Ferrule

Item no.: 216-101



Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-101

Item no.: 216-102



Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-102

Item no.: 216-122



Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-122

Item no.: 216-142



Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

www.wago.com/216-142

Item no.: 216-132



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

www.wago.com/216-132

Item no.: 216-121



Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-121

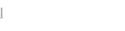
Item no.: 216-131



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

www.wago.com/216-131

Item no.: 216-141



Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

www.wago.com/216-141

Item no.: 216-152



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

www.wago.com/216-152

Item no.: 216-202



Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202

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

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Item no.: 216-151	www.wago.com/216-151
Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	
Item no.: 216-201	www.wago.com/216-201
Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	
Item no.: 216-241	www.wago.com/216-241
Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	
Item no.: 216-242	www.wago.com/216-242
Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	
Item no.: 216-222	www.wago.com/216-222
Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	
Item no.: 216-221	www.wago.com/216-221
Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	
Item no.: 216-262	www.wago.com/216-262
Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	
Item no.: 216-301	www.wago.com/216-301
Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	
Item no.: 216-321	www.wago.com/216-321
Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	
Item no.: 216-322	www.wago.com/216-322
Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	
Item no.: 216-302	www.wago.com/216-302
Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	

Downloads

Documentation

Additional Information

2019 Apr 3

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2.1 MB

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CAD/CAE-Data

CAD data

2D/3D Models 2734-109/107-000

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CAE data

ZUKEN Portal 2734-109/107-000

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Asset Administration Shell

Asset Administration Shell 2734-109/107-000

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2734-109/107-000

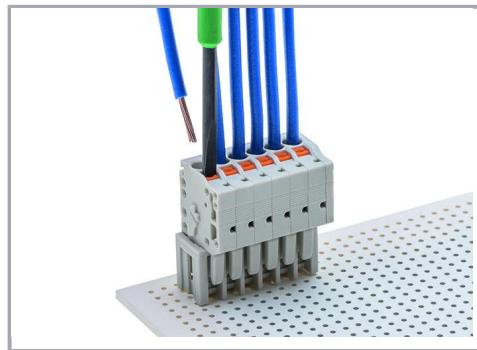
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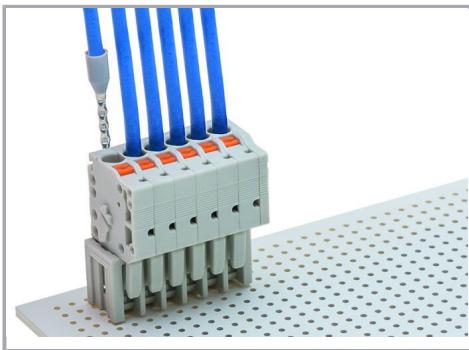
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 9-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

Installation Notes

Conductor termination



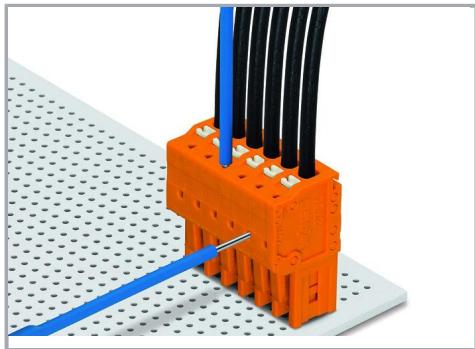
Conductor termination Inserting fine-stranded conductors into Push-in CAGE CLAMP® unit via push-buttons.



Push-in termination of solid conductors and fine-stranded conductors with ferrules

Testing

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



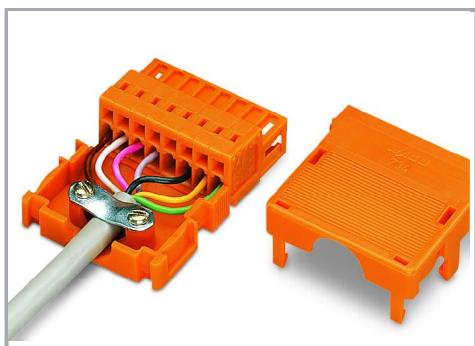
Testing via 1 mm Ø test pin (735-500).
Push-in CAGE CLAMP® termination – parallel
to conductor entry

Marking



Labeling via direct marking or self-adhesive
strips.

Installation



Strain relief housing for 734 Series Male and
Female Connectors with CAGE CLAMP®
connection

Product family

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

MCS MINI

[Show all products from the family](#)

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