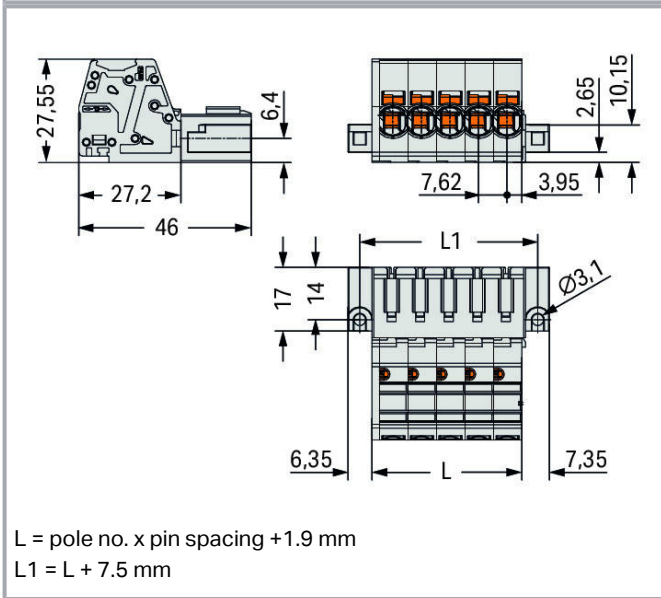
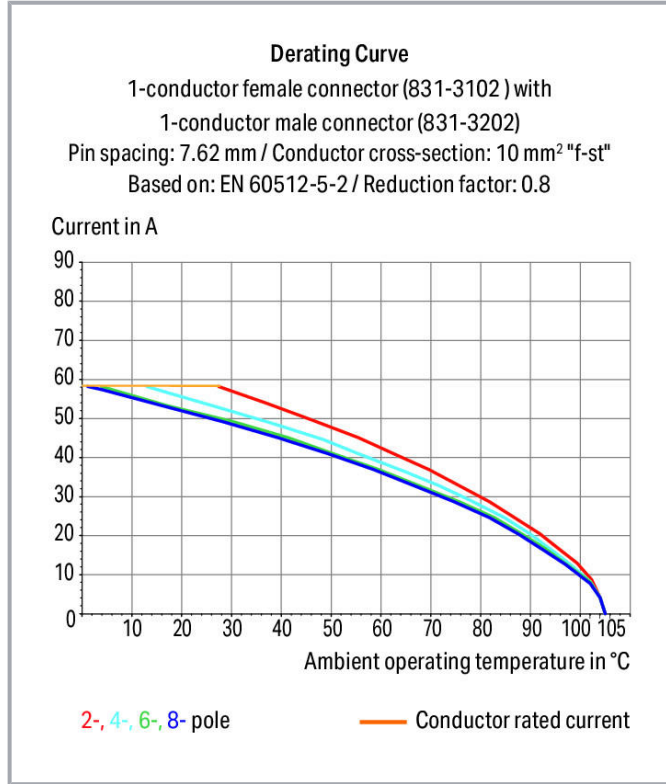


Data sheet | Item number: 831-3205/109-000

1-conductor male connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 5-pole; 100% protected against mismatching; Threaded flange; 10,00 mm²; light gray



www.wago.com/831-3205_109-000



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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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Item description

- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Integrated test ports for 2 mm Ø test plugs
- 600 V UL per UL 1059
- 100 % protected against mismatching
- Coding via coding fingers

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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	800 V
Rated surge voltage (III/3)	8 kV
Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	8 kV
Rated current	41 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	42 A

CSA Approvals

Approvals per	CSA
Rated voltage CSA (Use Group C)	600 V

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Rated current CSA (Use Group C) 41 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 6 mm ²
Strip length	13 ... 15 mm / 0.51 ... 0.59 inch
Pole No.	5
Total number of potentials	5
Number of connection types	1
Number of levels	1

Physical data

Pin spacing	7.62 mm / 0.3 inch
Width	53.7 mm / 2.114 inch
Height	27.6 mm / 1.087 inch
Depth	46 mm / 1.811 inch

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Locking of plug-in connection	Threaded flange

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	0.451 MJ

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

Weight	36.1 g
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Environmental requirements


Limit temperature range	-60 ... +105 °C
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Commercial data

Packaging type	BOX
Country of origin	PL
GTIN	4055144044157
Customs tariff number	8536694040

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-61360 /M1
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-116057

Counterpart



Item no.831-3105/107-000

1-conductor female connector; 100% protected against mismatching; Screw flange; 10 mm²; Pin spacing 7.62 mm; 5-pole; 10,00 mm²; light gray

www.wago.com/831-3105/107-000

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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Environmental Product Compliance

Compliance Search

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

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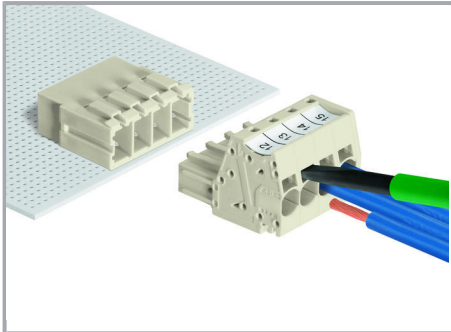
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Environmental Product Compliance 831-3205/109-000

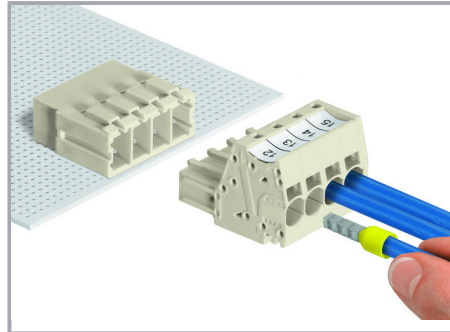
1-conductor male connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm;
5-pole; 100% protected against mismatching; Threaded flange; 10,00 mm²; light gray

Installation Notes

Conductor termination

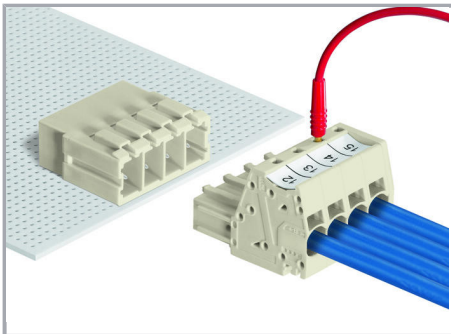


Inserting fine-stranded conductors via (5.5 x 0.8) mm screwdriver.



Solid and ferruled conductors are terminated by simply pushing them into unit.

Testing



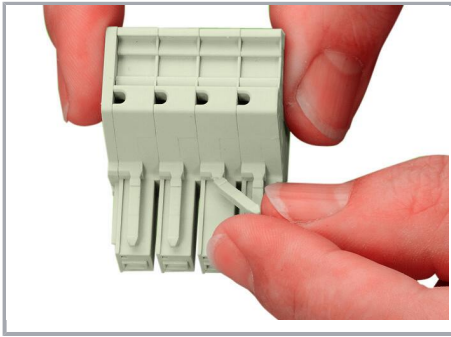
Testing with 2 mm Ø test plug.

Coding

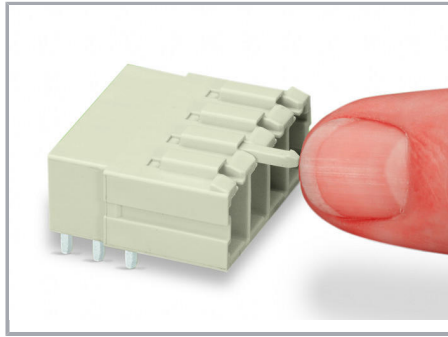
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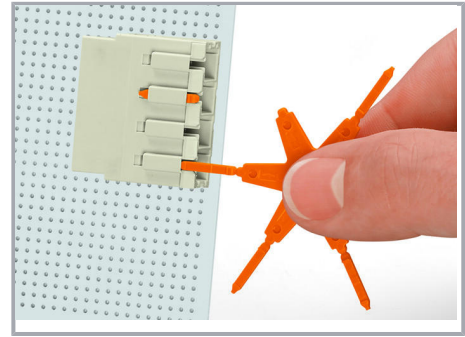
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Break or cut off coding pin from female connector.



Insert coding pin into male header (break first) until it engages.



Coding a THT male header by inserting a coding pin.

Marking



Direct marking of female connectors and male connectors



MCS MAXI male and female connectors can be marked via Mini-WSB or WMB markers.

Product family

MCS MAXI 6

[Show all products from the family](#)

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