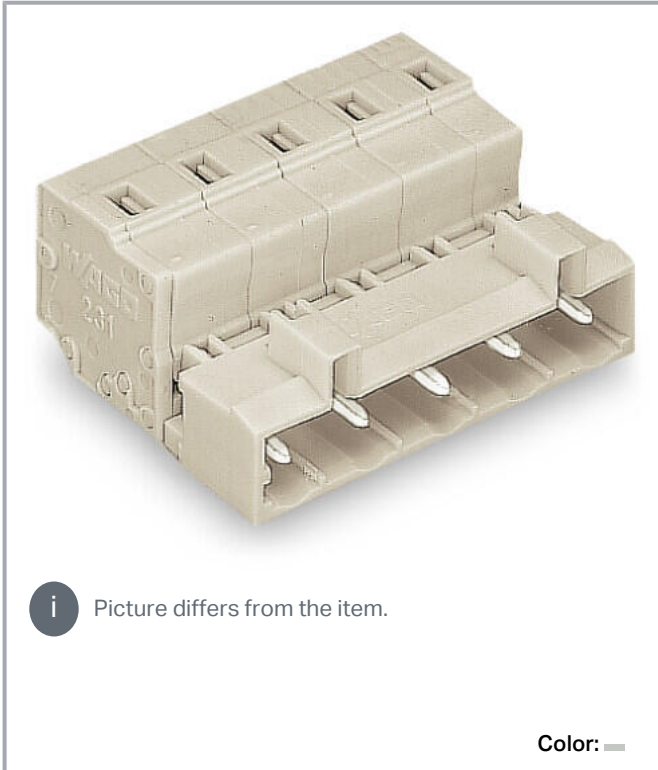


Data sheet | Item number: 723-607

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm;
7-pole; 100% protected against mismatching; 2,50 mm²; light gray

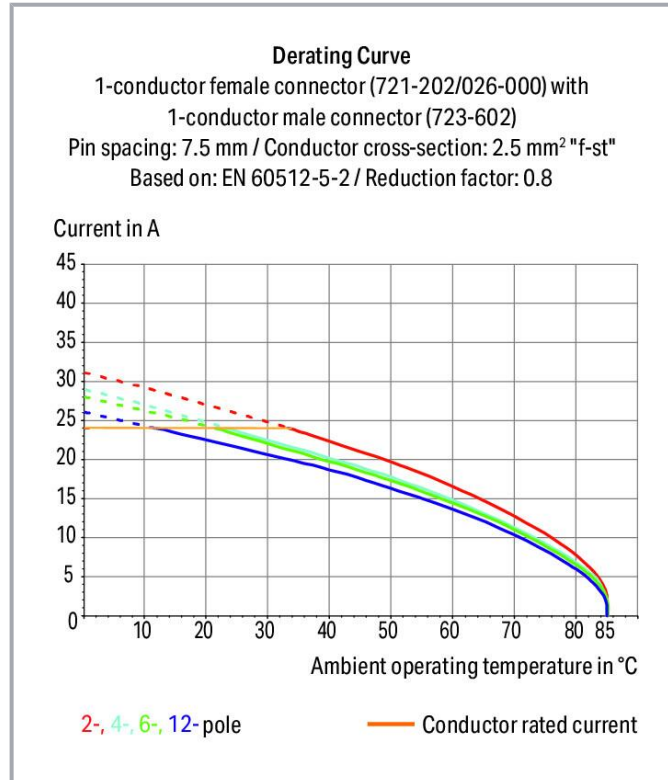


www.wago.com/723-607



i Picture differs from the item.

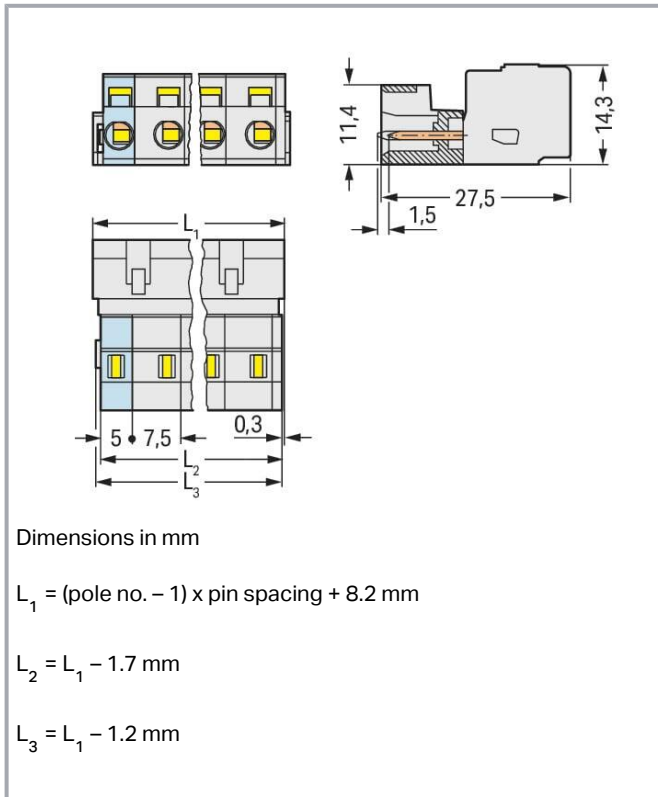
Color:



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 and board-to-wire connections
- Versions available with snap-in mounting feet or flanges for panel or through-panel mounting
- 3- to 5-pole male connectors are also available with preceding ground contact
- 100 % protected against mismatching
- With coding fingers

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

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



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)	500 V
Rated impulse voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated impulse voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	12 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	15 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

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



Connection data

Connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Actuation direction 1	Operation parallel to conductor entry
Actuation direction 2	Operation perpendicular to conductor entry
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	7
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	7.5 mm / 0.295 inches
Width	53.2 mm / 2.094 inches
Height	14.3 mm / 0.563 inches
Depth	27.5 mm / 1.083 inches

Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Plugging without loss of pin spacing	No
Locking of plug-in connection	none

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

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	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.254 MJ
Weight	12.4 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	DE
GTIN	4044918265843
Customs tariff number	85366990990

Environmental Product Compliance




RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates


General approvals

Certificate




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

Logo	Approval	Additional Approval Text	name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756 /A1
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 121453
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	E 45171

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	Railway WAGO GmbH & Co. KG	-	Railway Ready

Approvals for marine applications














Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	169- HG1869876- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

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Counterpart

	Item no.2721-207/008-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm ² ; light gray	www.wago.com/2721-207/008-000
	Item no.2721-207/026-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; 2,50 mm ² ; light gray	www.wago.com/2721-207/026-000
	Item no.2721-207/031-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; clamping collar; 2,50 mm ² ; light gray	www.wago.com/2721-207/031-000
	Item no.2721-207/037-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm ² ; light gray	www.wago.com/2721-207/037-000
	Item no.721-207/008-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm ² ; light gray	www.wago.com/721-207/008-000
	Item no.721-207/026-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; 2,50 mm ² ; light gray	www.wago.com/721-207/026-000
	Item no.721-207/008-000/037-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Lateral locking levers; Snap-in mounting feet; 2,50 mm ² ; light gray	www.wago.com/721-207/008-000/037-000
	Item no.721-207/031-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; clamping collar; 2,50 mm ² ; light gray	www.wago.com/721-207/031-000
	Item no.721-207/037-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm ² ; light gray	www.wago.com/721-207/037-000
	Item no.721-2207/037-000 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm ² ; light gray	www.wago.com/721-2207/037-000
	Item no.721-2207/026-000 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm ² ; light gray	www.wago.com/721-2207/026-000
	Item no.721-337/008-000 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm ² ; light gray	www.wago.com/721-337/008-000
	Item no.722-737 THT female header; straight; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray	www.wago.com/722-737

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



Item no. 722-737/031-000

THT female header; straight; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-737/031-000



Item no. 721-337/031-000

1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray

www.wago.com/721-337/031-000



Item no. 722-737/039-000

THT female header; straight; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-737/039-000



Item no. 722-737/047-000

THT female header; straight; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Spacer flange; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-737/047-000



Item no. 722-837

THT female header; angled; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-837



Item no. 722-837/031-000

THT female header; angled; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-837/031-000



Item no. 722-837/039-000

THT female header; angled; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray

www.wago.com/722-837/039-000

Optional accessories

Tool

Operating tool



Item no.: 231-159

Operating tool; natural

www.wago.com/231-159



Item no.: 231-231

Combination operating tool; red

www.wago.com/231-231



Item no.: 231-131

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

www.wago.com/231-131



Item no.: 231-291

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

www.wago.com/231-291

Coding

Coding

Item no.: 231-130

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Coding key; snap-on type; light gray

www.wago.com/231-130

Cover

Cover



Item no.: 231-668

Lockout caps; for covering unused clamping units; gray

www.wago.com/231-668

Marking accessories

Marking strip



Item no.: 210-833

Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

www.wago.com/210-833



Item no.: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

www.wago.com/210-834

Strain relief

Strain relief housing



Item no.: 232-667

Strain relief housing; for female and male connectors; 2 parts; Pin spacing 7.5 mm; 7-pole; gray

www.wago.com/232-667

Insulation stop

Insulation stop



Item no.: 231-673

Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white

www.wago.com/231-673



Item no.: 231-674

Insulation stop; 0.25 - 0.5 mm²; light gray

www.wago.com/231-674



Item no.: 231-675

Insulation stop; 0.75 - 1 mm²; dark gray

www.wago.com/231-675

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.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-104



Item no.: 216-106

Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

www.wago.com/216-106



Item no.: 216-102

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

www.wago.com/216-102

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

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	Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-123
	Item no.: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-122
	Item no.: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-124
	Item no.: 216-142 Ferrule; Sleeve for 0.75 mm ² / 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 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-121
	Item no.: 216-143 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	www.wago.com/216-143
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-131
	Item no.: 216-141 Ferrule; Sleeve for 0.5 mm ² / 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 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-144 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored	www.wago.com/216-144
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-223	

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

	Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
	Item no.: 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	www.wago.com/216-241
	Item no.: 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	www.wago.com/216-242
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
	Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-263
	Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-264
	Item no.: 216-284 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-284
	Item no.: 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	www.wago.com/216-262
	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.: 216-321 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; light turquoise	www.wago.com/216-322
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302

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



Downloads

Documentation

Additional Information

Technical Section Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
---------------------------------------------	------------	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 723-607	URL	Download
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CAE data

EPLAN Data Portal 723-607	URL	Download
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ZUKEN Portal 723-607	URL	Download
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Environmental Product Compliance

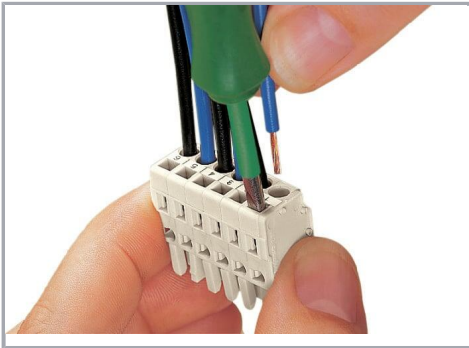
Compliance Search

Environmental Product Compliance 723-607 1-conductor male connector; CAGE CLAMP®; 2.5 mm ² ; Pin spacing 7.5 mm; 7-pole; 100% protected against mismatching; 2,50 mm ² ; light gray	URL	Download
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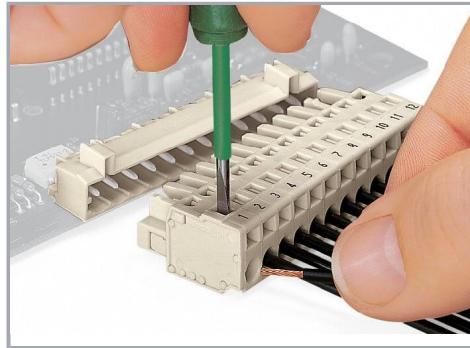
Installation Notes

Conductor termination

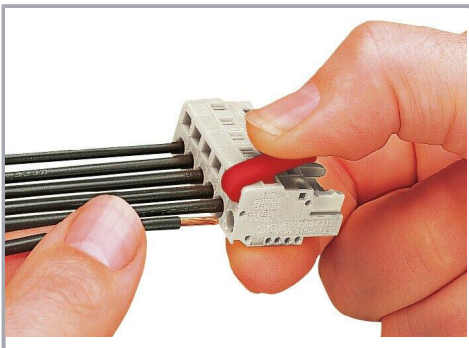
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Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.

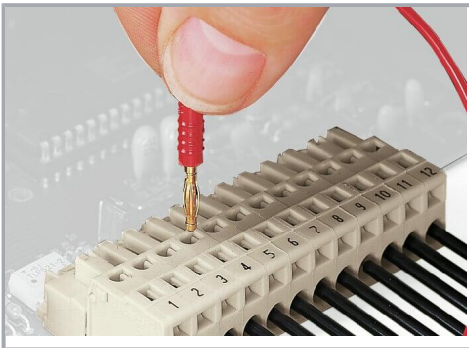


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor via operating tool.

Testing



Testing perpendicular to conductor entry with 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP® – via integrated test ports

Installation

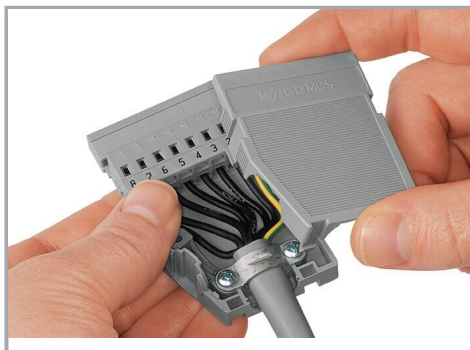
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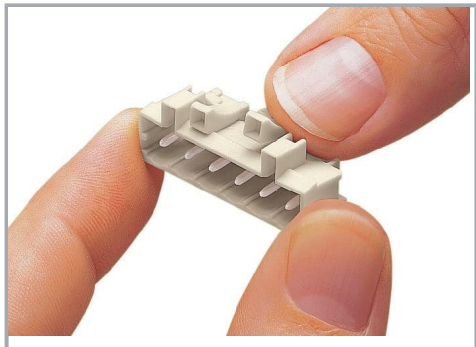


Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®

Coding



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

Product family

MCS MIDI

[Show all products from the family](#)

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