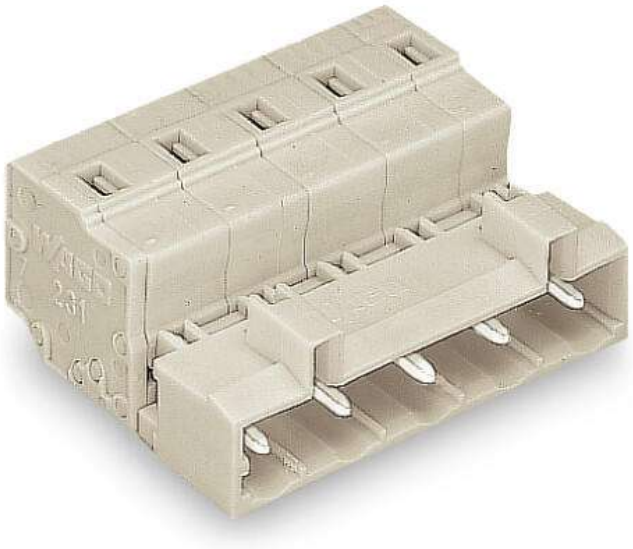
Data sheet | Item number: 723-603

1-conductor male connector; 100% protected against mismating; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray

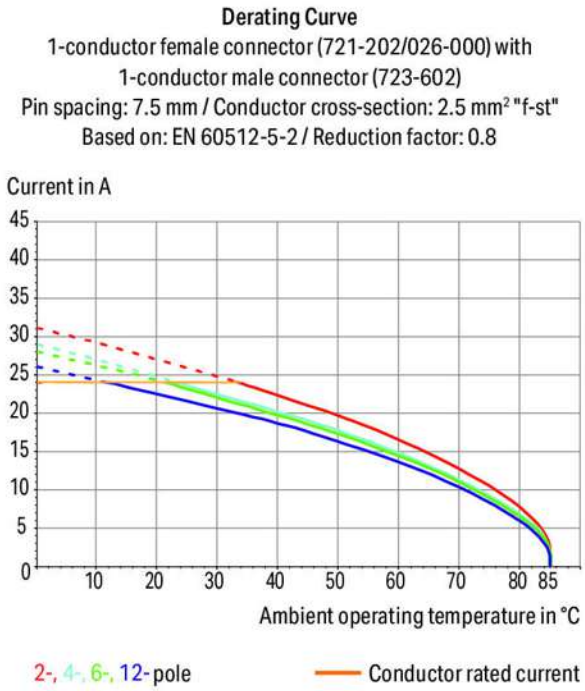
www.wago.com/723-603



RoHS ✓ Compliant

BOMcheck.net

Color:



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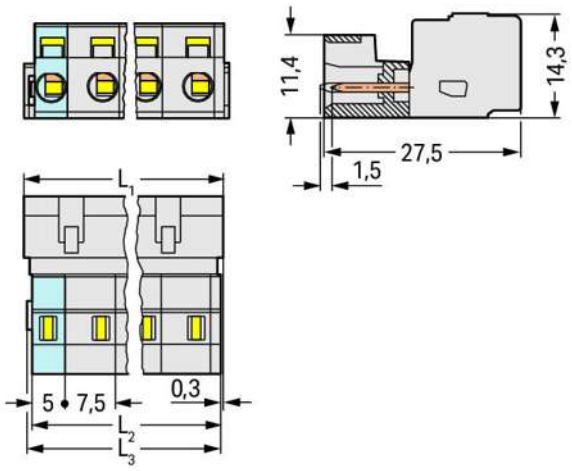

L_1 = (pole no. – 1) x pin spacing + 8.2 mm

$L_2 = L_1 – 1.7$ mm

$L_3 = L_1 – 1.2$ mm

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 mismating
- With 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.

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Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Rated 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
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

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
Approvals per	UL 1059

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

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

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool

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Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 … 1.5 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 … 2.5 mm²
Strip length	8 … 9 mm / 0.31 … 0.35 inch
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1
Conductor entry direction to mating direction	0 °

Geometrical Data

Pin spacing	7.5 mm / 0.295 inch
Width	23.2 mm / 0.913 inch
Height	14.3 mm / 0.563 inch
Depth	27.5 mm / 1.083 inch

Plug connection

Contact type (pluggable connector)	Male connector/plug
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	0.109 MJ
Weight	5.5 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	DE
GTIN	4044918265102
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

Ship Approvals

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)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172

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	UR Underwriters Laboratories Inc.	UL 1977	20150318- E45171

Counterpart

	Item no.2721-203/008-000 1-conductor female plug; 100% protected against mismating; push-button; Snap-in mounting feet; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/2721-203/008-000
	Item no.2721-203/026-000 1-conductor female plug; 100% protected against mismating; push-button; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/2721-203/026-000
	Item no.2721-203/031-000 1-conductor female plug; 100% protected against mismating; push-button; clamping collar; direct marking; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/2721-203/031-000
	Item no.2721-203/037-000 1-conductor female plug; 100% protected against mismating; push-button; Locking lever; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/2721-203/037-000
	Item no.721-203/008-000 1-conductor female plug; 100% protected against mismating; Snap-in mounting feet; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-203/008-000
	Item no.721-203/008-000/037-000 1-conductor female plug; 100% protected against mismating; Snap-in mounting feet; Locking lever; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-203/008-000/037-000
	Item no.721-203/026-000 1-conductor female plug; 100% protected against mismating; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-203/026-000
	Item no.721-203/031-000 1-conductor female plug; 100% protected against mismating; clamping collar; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-203/031-000
	Item no.721-203/037-000 1-conductor female plug; 100% protected against mismating; Locking lever; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-203/037-000
	Item no.721-2203/026-000 2-conductor female connector; 100% protected against mismating; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-2203/026-000
	Item no.721-2203/037-000 2-conductor female connector; 100% protected against mismating; Locking lever; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-2203/037-000
	Item no.721-333/008-000	

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	1-conductor female plug; angled; 100% protected against mismating; Snap-in mounting feet; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-333/008-000
	Item no.721-333/031-000 1-conductor female plug; angled; 100% protected against mismating; clamping collar; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/721-333/031-000
	Item no.722-733 THT female header; 0.6 x 1.0 mm solder pin; straight; 100% protected against mismating; Pin spacing 7.5 mm; 3-pole; light gray	www.wago.com/722-733

Compatible products

General accessories

	Item no.: 231-668 Lockout caps; for covering unused clamping units; gray	www.wago.com/231-668

Strain relief plate

	Item no.: 232-663 Strain relief housing; gray	www.wago.com/232-663

ferrule

	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-102
	Item no.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-104
	Item no.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated	www.wago.com/216-106
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated	www.wago.com/216-121

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	Item no.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated	www.wago.com/216-122
	Item no.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-123
	Item no.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-124
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	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.: 216-142 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.: 216-143 Ferrule; Sleeve for 1 mm² / 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.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	www.wago.com/216-144
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223

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	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm² / 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 mm² / 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.: 216-243 Ferrule; Sleeve for 1 mm² / 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 mm² / 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.: 216-262 Ferrule; Sleeve for 0.75 mm² / 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.: 216-263 Ferrule; Sleeve for 1 mm² / 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 mm² / 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 mm² / 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.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-322
Coding		
	Item no.: 231-130 Coding key; snap-on type; light gray	www.wago.com/231-130
Marking accessories		
	Item no.: 210-833 Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	www.wago.com/210-833

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	Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	www.wago.com/210-834

tools

	Item no.: 231-131 Push-button; loose	www.wago.com/231-131
	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.: 231-291 Operating tool; loose; red	www.wago.com/231-291

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

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 723-603	URL	Download

CAE data

EPLAN Data Portal 723-603	URL	Download

Installation Notes

Inserting a conductor

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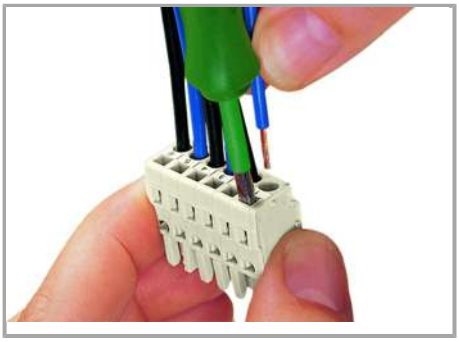
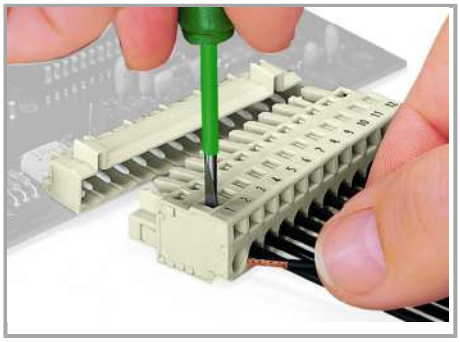
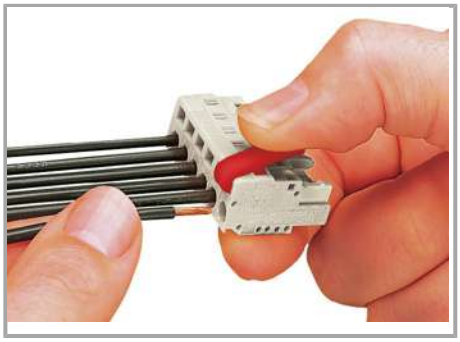
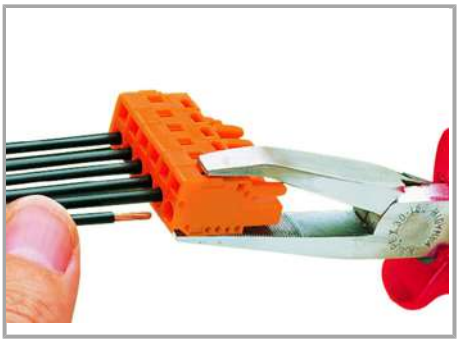


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.



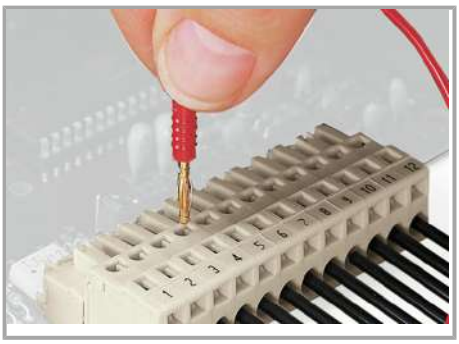
Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.





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

Assembly

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

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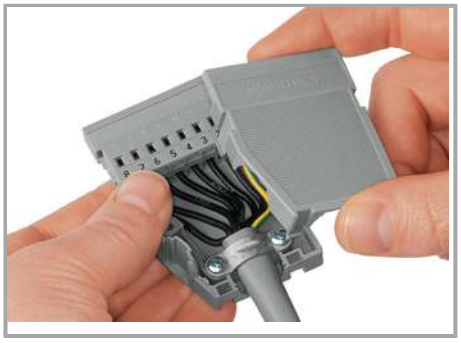
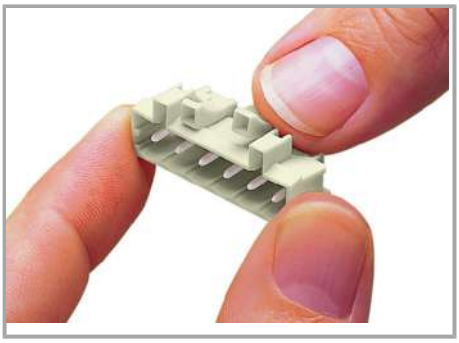
Male connector with strain relief plate



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

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