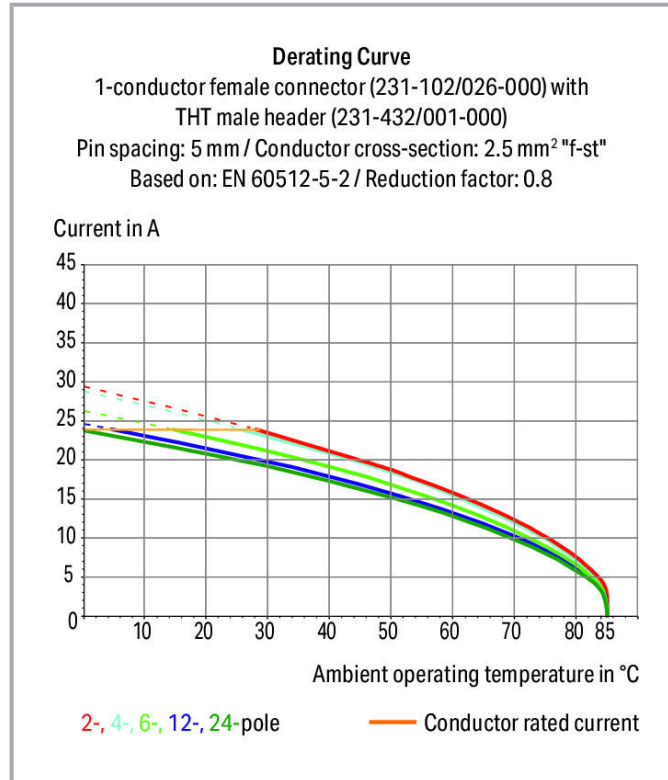


Data sheet | Item number: 231-108/026-000

1-conductor female connector; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray



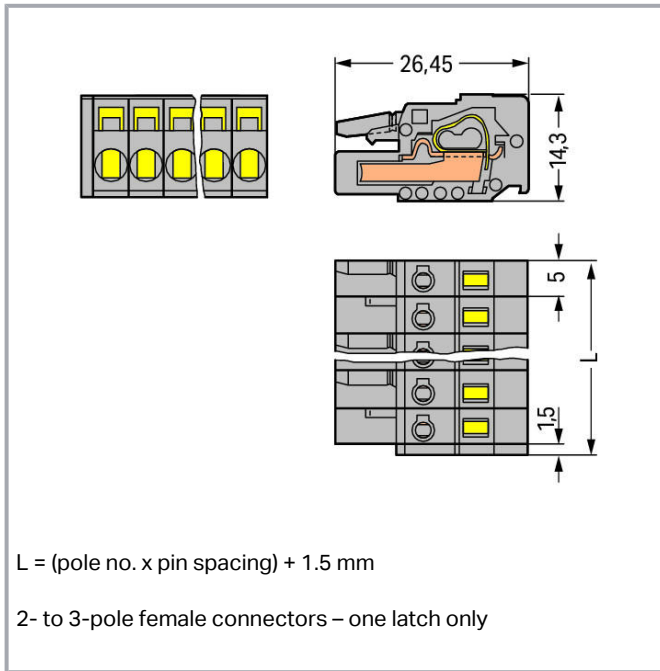
www.wago.com/231-108/026-000



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

WAGO Kontakttechnik GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports
- With 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

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	320 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V

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Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	16 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)	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

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

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
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 inch
Pole No.	8
Total number of connection points	8
Total number of potentials	8
Number of connection types	1

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Number of levels	1
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	5 mm / 0.197 inch
Width	41.5 mm / 1.634 inch
Height	14.3 mm / 0.563 inch
Depth	26.45 mm / 1.041 inch

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No

Material data

Color	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
Contact plating	tin-plated
Fire load	0.202 MJ
Weight	14.5 g

Environmental requirements

Limit temperature range	-60 ... +85 °C
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Commercial data

Product Group	3 (Multi Conn. System)
Packaging type	BOX
Country of origin	DE
GTIN	4044918339919
Customs tariff number	85366990990


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

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Approvals / Certificates



Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756
	CSA DEKRA Certification B.V.	C22.2	LR 18677-25

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-PDA
	BV Bureau Veritas S.A.	IEC 60998	11915/DO BV

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	20190731-E45172
	UL Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart



Item no.231-138/001-000

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 8-pole; gray

www.wago.com/231-138/001-000

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

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Item no.231-138/001-000/105-604
THR male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-138/001-000/105-604



Item no.231-138/001-000/105-604/997-407
THR male header; 1.0 x 1.0 mm solder pin; straight; in tape-and-reel packaging; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-138/001-000/105-604/997-407



Item no.231-168/001-000/105-604
THR male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-168/001-000/105-604



Item no.231-168/001-000
THT male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5 mm; 8-pole; gray

www.wago.com/231-168/001-000



Item no.231-168/001-000/105-604/997-407
THR male header; 1.2 x 1.2 mm solder pin; straight; in tape-and-reel packaging; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-168/001-000/105-604/997-407



Item no.231-168/003-000
Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 8-pole; gray

www.wago.com/231-168/003-000



Item no.231-438/001-000
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 8-pole; gray

www.wago.com/231-438/001-000



Item no.231-438/001-000/105-604
THR male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-438/001-000/105-604



Item no.231-438/001-000/105-604/997-407
THR male header; 1.0 x 1.0 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-438/001-000/105-604/997-407



Item no.231-468/001-000
THT male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 5 mm; 8-pole; gray

www.wago.com/231-468/001-000



Item no.231-468/001-000/105-604
THR male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-468/001-000/105-604



Item no.231-468/001-000/105-604/997-407
THR male header; 1.2 x 1.2 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 5 mm; 8-pole; black

www.wago.com/231-468/001-000/105-604/997-407



Item no.231-608
1-conductor male connector; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray

www.wago.com/231-608

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



Item no. 231-608/018-000

1-conductor male connector; Snap-in mounting feet; 2.5 mm²; Pin spacing 5 mm; 8-pole; www.wago.com/231-608/018-000
2,50 mm²; gray



Item no. 231-608/114-000

1-conductor male connector; Snap-in flange; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray www.wago.com/231-608/114-000



Item no. 231-608/019-000

1-conductor male connector; clamping collar; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray www.wago.com/231-608/019-000



Item no. 232-338

THT male header for double-deck assembly; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 8-pole; gray www.wago.com/232-338



Item no. 232-508/007-000

Double pin header; DIN-35 rail mounting; 8-pole; Pin spacing 5 mm; gray www.wago.com/232-508/007-000

Compatible products

check



Item no.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red www.wago.com/210-136



Item no.: 210-137

Test plug; 2.3 mm Ø; with 500 mm cable; yellow www.wago.com/210-137



Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray www.wago.com/231-661

Insulation stop



Item no.: 231-670

Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white www.wago.com/231-670



Item no.: 231-671

Insulation stop; 0.25 - 0.5 mm²; light gray www.wago.com/231-671



Item no.: 231-672

Insulation stop; 0.75 - 1 mm²; dark gray www.wago.com/231-672

tools



Item no.: 209-130

Operating tool; suitable for 264, 280 and 281 Series; 1-way; of insulating material; white www.wago.com/209-130



Item no.: 209-132

Operating tool; for connecting comb-style jumper bar; 2-way; of insulating material www.wago.com/209-132




















Item no.: 231-131

www.wago.com/231-131

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

Push-button; loose

	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
	Item no.: 280-432 Operating tool; made of insulating material; 2-way; white	www.wago.com/280-432
	Item no.: 280-433 Operating tool; made of insulating material; 3-way	www.wago.com/280-433
	Item no.: 280-434 Operating tool; made of insulating material; 4-way	www.wago.com/280-434
	Item no.: 280-435 Operating tool; made of insulating material; 5-way; gray	www.wago.com/280-435
	Item no.: 280-436 Operating tool; made of insulating material; 6-way	www.wago.com/280-436
	Item no.: 280-437 Operating tool; made of insulating material; 7-way	www.wago.com/280-437
	Item no.: 280-438 Operating tool; made of insulating material; 8-way	www.wago.com/280-438
	Item no.: 280-440 Operating tool; made of insulating material; 10-way	www.wago.com/280-440
ferrule		
	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-102
	Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	www.wago.com/216-103
	Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-104
	Item no.: 216-106 Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-106
	Item no.: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-121

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

	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.: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-123
	Item no.: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	www.wago.com/216-124
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	Item no.: 216-141 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.: 216-142 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.: 216-143 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.: 216-144 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.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-152
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	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.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	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.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	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.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223

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



General accessories



Jumper


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
Item no.: 231-668

Lockout caps; for covering unused clamping units; gray

www.wago.com/231-668
Item no.: 231-902

Jumper; for conductor entry; gray

www.wago.com/231-902

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

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	Item no.: 231-903 Jumper; for conductor entry; 3-way; insulated; gray	www.wago.com/231-903
	Item no.: 231-905 Jumper; for conductor entry; 5-way; insulated; gray	www.wago.com/231-905
	Item no.: 231-907 Jumper; for conductor entry; 7-way; insulated; gray	www.wago.com/231-907
	Item no.: 231-910 Jumper; for conductor entry; 10-way; insulated; gray	www.wago.com/231-910

Marking accessories

	Item no.: 210-331/500-103 Marking strips; as a DIN A4 sheet; MARKED; 1-12 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331/500-103
	Item no.: 210-331/500-104 Marking strips; as a DIN A4 sheet; MARKED; 13-24 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-331/500-104
	Item no.: 210-332/500-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-332/500-202
	Item no.: 210-332/500-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-332/500-204
	Item no.: 210-332/500-205 Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-332/500-205
	Item no.: 210-332/500-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	www.wago.com/210-332/500-206

Strain relief plate

	Item no.: 232-608 Strain relief housing; gray	www.wago.com/232-608
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Downloads Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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Subject to changes. Please also observe the further product documentation!

CAD/CAE-Data

CAD data

2D/3D Models 231-108/026-000	URL	Download
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CAE data

EPLAN Data Portal 231-108/026-000	URL	Download
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ZUKEN Portal 231-108/026-000	URL	Download
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EPLAN Data Portal 231-108/026-000	URL	Download
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Environmental Product Compliance

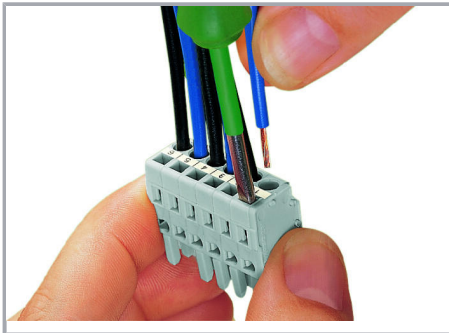
Compliance Search

Environmental Product Compliance 231-108/026-000	URL	Download
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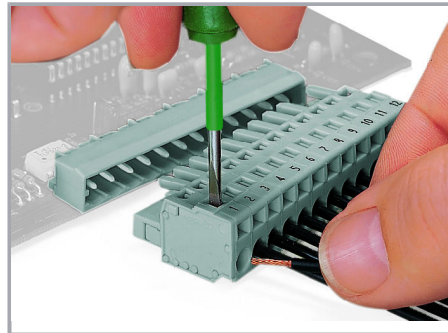
1-conductor female connector; 2.5 mm²; Pin spacing 5 mm; 8-pole; 2,50 mm²; gray

Installation Notes

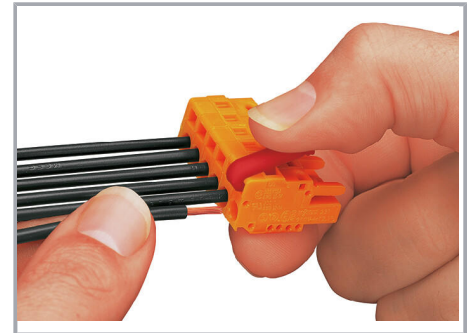
Conductor termination



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

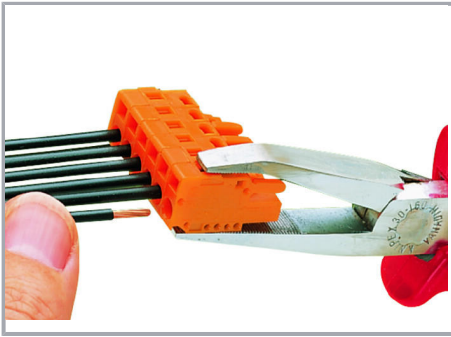


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor into CAGE CLAMP® unit via operating lever (231-291).

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



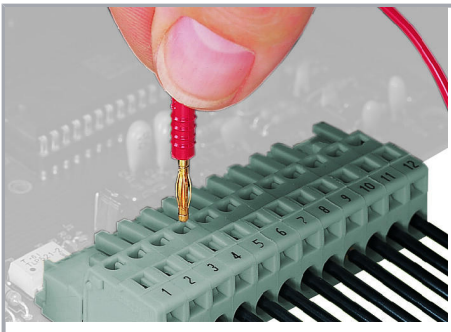
Inserting a conductor via operating tool.

Coding



Coding a female connector by removing coding finger(s).

Testing

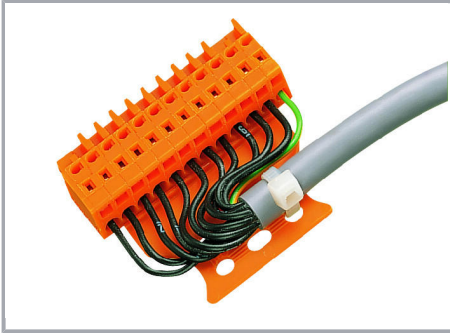


Testing – female connector with CAGE CLAMP®

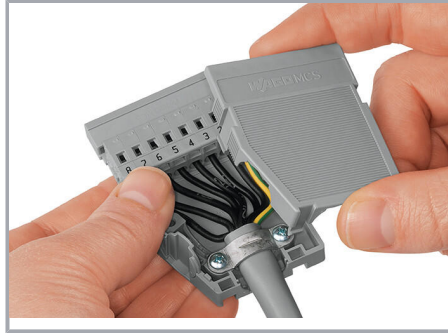
Integrated test ports for testing perpendicular to conductor entry via 2 or 2.3 mm Ø test plug

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

Installation

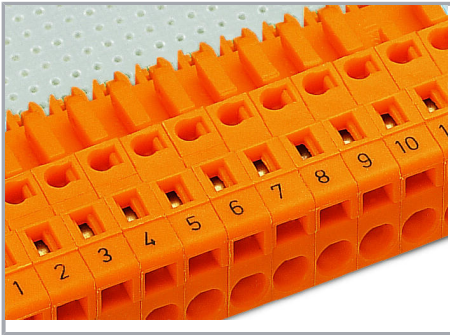


Male connector with strain relief plate



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

Marking



Labeling via direct marking or self-adhesive strips.

Product family

[*MCS*](#) MIDI Classic

[Show all products from the family](#)

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