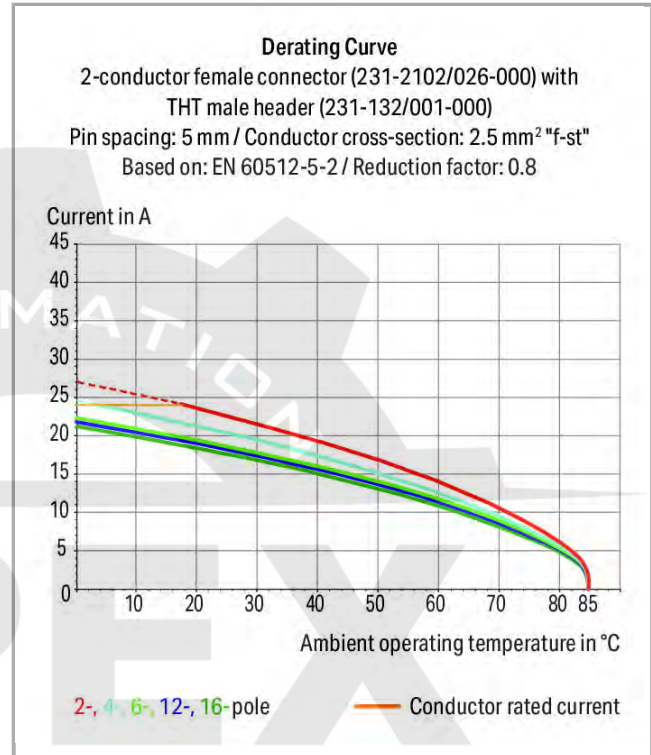
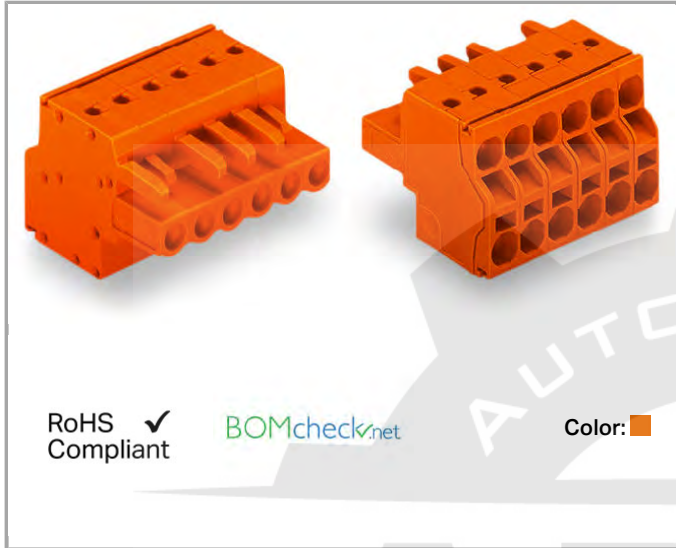
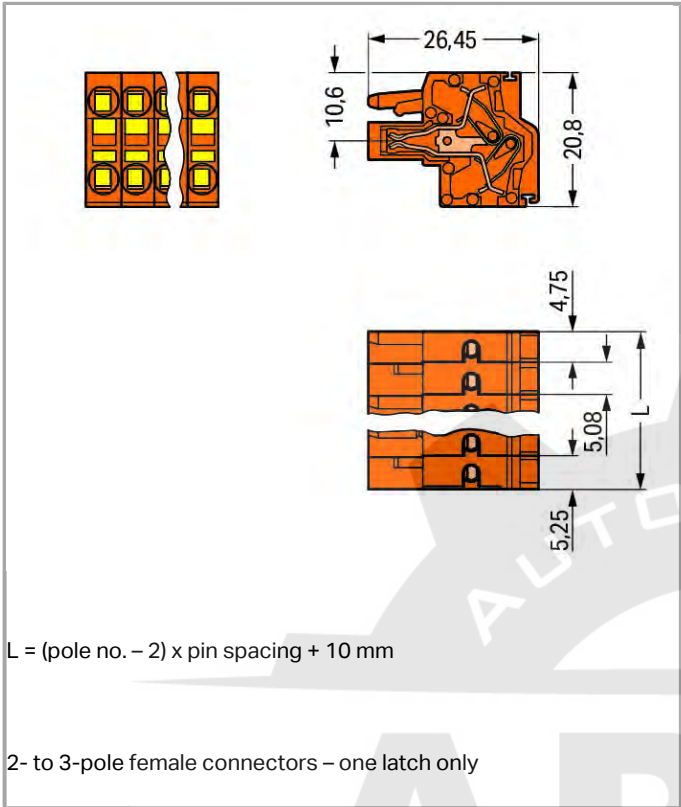


Data sheet | Item number: 231-2316/026-000

2-conductor female connector; 2.5 mm²; Pin spacing 5.08 mm; 16-pole

231-2316/026-000





Item description

- Universal connection for all conductor types
- Two conductor entries per pole
- For looping through power or data buses
- Bus connection is retained, even when unmated
- Push-in termination of solid and ferruled conductors
- 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	320 V
Rated impulse voltage (III / 3)	4 kV
Rated voltage (III / 2)	320 V



Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	16 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	20 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	20 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	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 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	9 ... 10 mm / 0.35 ... 0.39 inch
No. of poles	16
Total number of connection points	32
Total number of potentials	16
Number of connection types	1
Number of levels	1
Conductor entry direction to mating direction	0°

Geometrical Data

Pin spacing	5.08 mm / 0.2 inch
Width	81.12 mm / 3.194 inch



Height	20.8 mm / 0.819 inch
Depth	26.45 mm / 1.041 inch

Plug connection

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

Material Data

Color	orange
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.571 MJ
Weight	35.704 g

Environmental Requirements

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

Product Group	3 (Multi Conn. System)
Country of origin	PL
GTIN	4044918564854
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
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ABS
 American Bureau of Shipping

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 PDA



DNV GL
 Det Norske Veritas, Germanischer Lloyd

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 Sec. 45
	UL UL International Germany GmbH	UL 1977	E45171

Compatible products

Insulation stop



Item no.: 231-670
 Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"

231-670



Item no.: 231-671
 Insulation stop; 0.25 - 0.5 mm²

231-671



Item no.: 231-672
 Insulation stop; 0.75 - 1 mm²

231-672

check



Item no.: 231-661
 Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing

231-661

Marking accessories

Item no.: 210-331/508-103
 Marking strips; as a DIN A4 sheet; MARKED; 1-12 (200x); Height of marker strip: 2.3 mm/0.091 in;
 Strip length 182 mm; Horizontal marking; Self-adhesive

508-103

210-331

Item no.: 210-331/508-104
 Marking strips; as a DIN A4 sheet; MARKED; 13-24 (200x); Height of marker strip: 2.3 mm/0.091 in;
 Strip length 182 mm; Horizontal marking; Self-adhesive

508-104

210-331

Item no.: 210-332/508-202		210-332
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		1508-202
Item no.: 210-332/508-204		210-332
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		1508-204
Item no.: 210-332/508-205		210-332
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		1508-205
Item no.: 210-332/508-206		210-332
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		1508-206
	Item no.: 210-833	210-833
	Marking strips; on reel; 6 mm wide; plain; Self-adhesive	
	Item no.: 210-834	210-834
	Marking strips; on reel; 5 mm wide; plain; Self-adhesive	
Strain relief plate		
	Item no.: 734-428	734-428
	Strain relief plate	
ferrule		
	Item no.: 216-101	216-101
	Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated	
	Item no.: 216-102	216-102
	Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated	
	Item no.: 216-103	216-103
	Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	
	Item no.: 216-104	216-104
	Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	
	Item no.: 216-106	216-106
	Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated	
	Item no.: 216-121	216-121
	Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated	
	Item no.: 216-122	216-122
	Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated	
	Item no.: 216-123	216-123
	Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated	
	Item no.: 216-124	216-124
	Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated	
	Item no.: 216-131	216-131
	Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	
	Item no.: 216-132	216-132
	Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	

	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	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	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	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	216-144
	Item no.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	216-151
	Item no.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	216-152
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated	216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated	216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated	216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated	216-204
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated	216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated	216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated	216-223
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated	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	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	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	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	216-244
	Item no.: 216-262 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight	216-262



crimped; acc. to DIN 46228, Part 4/09.90



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

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

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

216-284

Item no.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated

216-301



Item no.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated

216-302

Item no.: 216-321

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated

216-321



Item no.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated

216-322

tools



Item no.: 209-130

Operating tool; suitable for 264, 280 and 281 Series; 1-way; of insulating material

209-130



Item no.: 210-657

Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short

210-657



Item no.: 210-720

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720



Item no.: 280-432

Operating tool; of insulating material; 2-way

280-432



Item no.: 280-433

Operating tool; of insulating material; 3-way

280-433



Item no.: 280-434

Operating tool; of insulating material; 4-way

280-434



Item no.: 280-435

Operating tool; of insulating material; 5-way

280-435



Item no.: 280-436

Operating tool; of insulating material; 6-way

280-436



Item no.: 280-437

Operating tool; of insulating material; 7-way

280-437



Item no.: 280-438

Operating tool; of insulating material; 8-way

280-438



Item no.: 280-440

Operating tool; of insulating material; 10-way

280-440



Downloads
CAD/CAE - Smart Data
CAD data

3D Download 231-2316/026-000	URL	Download
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Subject to changes.