1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 11-po-

le; Snap-in mounting feet; 2,50 mm²; gray

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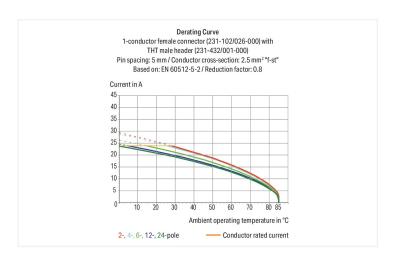




26,45 2

Dimensions in mm

- L = (pole no. x pin spacing) + 1.5 mm
- 2- to 3-pole female connectors one latch only



- 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

Notes	N	0	te	s
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Color: ■ gray

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 or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Variants:

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	IE	C/EN 60664	-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	16 A	16 A	16 A

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

Approvals per	UL 1977
Rated voltage	600 V
Rated current	15 A

Approvals per		CSA	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

Connection data			
Connection points	11	Connection 1	
Total number of potentials	11	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Operating tool
Number of levels 1	1	Actuation direction 1	Operation parallel to conductor entry
	Actuation direction 2	Operation perpendicular to conductor entry	
		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 insulated 0.25 ferrule	0.25 1.5 mm ²
		Fine-stranded conductor; with uninsulated ferrule	0.25 2.5 mm²
		Strip length	8 9 mm / 0.31 0.35 inches
		Pole number	11
		Conductor entry direction to mating direction	0°

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	56.5 mm / 2.224 inches
Height	18.8 mm / 0.74 inches
Height from the surface	14.3 mm / 0.563 inches
Depth	26.5 mm / 1.043 inches

Mechanical data	
Variable coding	Yes
Housing sheet thickness	0.6 1.2 mm / 0.024 0.047 inches
Mounting type	Snap-in foot Panel mounting
Anti-rotation protection	Yes

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

Material data	
Note (material data)	Information on material
	specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	Tin
Fire load	0.375 MJ
Weight	19.9 g

Environmental requirements		
	Limit temperature range	-60 +85 °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)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918341165
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals





Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	LR 18677-25
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1059	E45172

General approvals

UL 1977 Underwriters Laboratories

E45171

https://www.wago.com/231-111/008-000



Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready

Approvals for marine applications



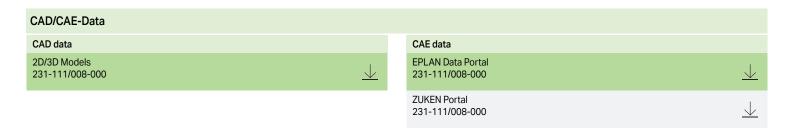




Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 231-111/008-000	\downarrow

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	\perp



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 231-611
1-conductor male connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5 mm; 11-pole; 2,50 mm²; gray



1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 231-668

Lockout caps; for covering unused clamping units; gray

1.2.2 Ferrule 1.2.2.1 Ferrule Item No.: 216-301 Item No.: 216-321 Item No.: 216-151 Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24: Ferrule; Sleeve for 0.25 mm² / AWG 24; in-Ferrule; Sleeve for 0.25 mm² / AWG 24; in-Ferrule; Sleeve for 0.25 mm² / AWG 24; sulated; electro-tin plated; yellow sulated; electro-tin plated; yellow uninsulated; electro-tin plated uninsulated; electro-tin plated; silver-co-Item No.: 216-302 Item No.: 216-322 Item No.: 216-132 Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-Ferrule; Sleeve for 0.34 mm² / AWG 24; Ferrule; Sleeve for 0.34 mm² / AWG 24; sulated; electro-tin plated; light turquoise sulated; electro-tin plated; light turquoise uninsulated; electro-tin plated uninsulated; electro-tin plated Item No.: 216-241 Item No.: 216-201 Item No.: 216-221 Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-Ferrule; Sleeve for 0.5 mm2 / 20 AWG; unsulated; electro-tin plated; electrolytic sulated; electro-tin plated; white sulated; electro-tin plated; white insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white 46228, Part 1/08.92 Item No.: 216-101 Item No.: 216-242 Item No.: 216-262 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-Ferrule; Sleeve for 0.5 mm² / AWG 22; un-Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic insulated; electro-tin plated; silver-coloinsulated; electro-tin plated; silver-colosulated; electro-tin plated; electrolytic red red copper; gastight crimped; acc. to DIN copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray 46228, Part 4/09.90; gray Item No.: 216-202 Item No.: 216-222 Item No.: 216-142 Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-Ferrule; Sleeve for 0.75 mm² / 18 AWG; Ferrule; Sleeve for 0.75 mm² / AWG 20; sulated; electro-tin plated; gray sulated; electro-tin plated; gray uninsulated; electro-tin plated; electrolyuninsulated; electro-tin plated; silver-cotic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 Item No.: 216-122 Item No.: 216-243 Item No.: 216-263 Item No.: 216-203 Ferrule; Sleeve for 0.75 mm² / AWG 20; Ferrule; Sleeve for 1 mm2 / AWG 18; insu-Ferrule; Sleeve for 1 mm2 / AWG 18; insu-Ferrule; Sleeve for 1 mm2 / AWG 18; insuuninsulated; electro-tin plated; silver-colated; electro-tin plated; electrolytic coplated; electro-tin plated; electrolytic coplated; electro-tin plated; red per; gastight crimped; acc. to DIN 46228, per; gastight crimped; acc. to DIN 46228, lored

Item No.: 216-223

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-103

Part 4/09.90: red

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

Item No.: 216-143

Part 4/09.90: red

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item No.: 216-123

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored

Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-224

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

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

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

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1.2.2.1 Ferrule

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

Item No.: 216-124

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

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; silver-colored

Item No.: 216-104

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

Item No.: 216-106

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

1.2.3 Installation

1.2.3.1 Mounting accessories



Item No.: 209-137

Mounting adapter; can be used as end stop; 6.5 mm wide; gray

1.2.4 Insulation stop

1.2.4.1 Insulation stop



Item No.: 231-670

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

Item No.: 231-671

Insulation stop; 0.25 - 0.5 mm²; light gray

Item No.: 231-672

Insulation stop; 0.75 - 1 mm²; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



Jumper; for conductor entry; 10-way; insulated; gray

Item No.: 231-902

Jumper; for conductor entry; 2-way; insulated; gray

Item No.: 231-903

Jumper; for conductor entry; 3-way; insulated; gray

Item No.: 231-905

Jumper; for conductor entry; 5-way; insulated; gray

Item No.: 231-907

Jumper; for conductor entry; 7-way; insulated; gray

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1.2.6 Marking

1.2.6.1 Marking strip

Item No.: 210-331/500-103

Marking strips; as a DIN A4 sheet; MAR-KED; 1-12 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-202

Marking strips; as a DIN A4 sheet; MAR-KED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-205

Marking strips; as a DIN A4 sheet; MAR-KED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-331/500-104

Marking strips; as a DIN A4 sheet; MAR-KED; 13-24 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-204

Marking strips; as a DIN A4 sheet; MAR-KED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-206

Marking strips; as a DIN A4 sheet; MAR-KED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.7 Mounting adapter

1.2.7.1 Mounting accessories



Item No.: 209-148

Multi mounting adapter; for female and male connectors; 25 mm wide; 3 parts; gray

1.2.8 Test and measurement

1.2.8.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red



Item No.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

1.2.9 Tool

1.2.9.1 Operating tool



Item No.: 231-231

Combination operating tool; red



Item No.: 209-132

Operating tool; for connecting comb-style jumper bar; made of insulating material; 2-way; natural



Item No.: 280-440

Operating tool; made of insulating material; 10-way



Item No.: 209-130

Operating tool; made of insulating material; 1-way; for 264 Series (1-/2-way), 280, 281 Series (up to 3-way); natural



Item No.: 231-291

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



Item No.: 231-131

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



Item No.: 280-432

Operating tool; made of insulating material; 2-way; white



Operating tool; made of insulating material; 3-way



Item No.: 280-434

Operating tool; made of insulating material; 4-way

Item No.: 280-435

Operating tool; made of insulating material; 5-way; gray

Item No.: 280-436

Operating tool; made of insulating material; 6-way

Item No.: 280-437

Operating tool; made of insulating material; 7-way

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1.2.9.1 Operating tool



Item No.: 280-438

Operating tool; made of insulating material; 8-way

Item No.: 231-159 Operating tool; natural

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 tool (231-291).



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

Installation



Male connector with strain relief plate



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

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Marking



Labeling via direct marking or self-adhesive strips.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$