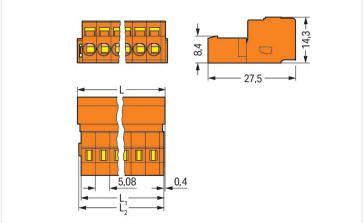
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; 2,50 mm²; orange

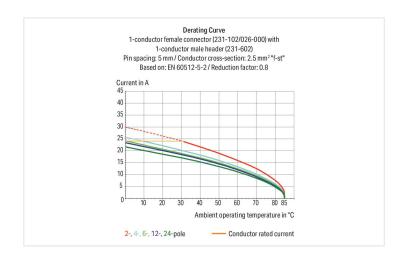








Dimensions in mm $L = (pole \ no. - 1) \ x \ pin \ spacing + 8.2 \ mm$ $L1 = L - 1.7 \ mm$ $L2 = L - 1.2 \ mm$



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- 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
- With coding fingers

Notes	
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. 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:	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 UL	
Ratings per	IEC/EN 60664-1	Approvals per	UL 1059
Nominal voltage (III/3)	320 V	Rated voltage UL (Use Group B)	300 V
Rated impulse voltage (III/3)	4 kV	Rated current UL (Use Group B)	15 A
Rated voltage (III/2)	320 V	Rated voltage UL (Use Group D)	300 V
Rated impulse voltage (III/2)	4 kV	Rated current UL (Use Group D)	10 A
Nominal voltage (II/2)	630 V		
Rated surge voltage (II/2)	4 kV		
Rated current	12 A		
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2		

Ratings per UL		Ratings per CSA
Rated voltage (UL 1977)	600 V	Approvals per CSA
Rated current UL 1977 15 A		Rated voltage CSA (Use Group B) 300 V
		Rated current CSA (Use Group B) 15 A
		Rated voltage CSA (Use Group D) 300 V

onnection data				
Connection points	4		Connection 1	
Total number of potentials	4		Connection technology	CAGE CLAMP®
Number of connection types	1		Actuation type	Operating tool
Number of levels 1	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 ferrule	0.25 1.5 mm²	
		Fine-stranded conductor; with uninsulated ferrule	0.25 2.5 mm²	
		Strip length	8 9 mm / 0.31 0.35 inches	
		Pole number	4	
		Conductor entry direction to mating direction	0°	

Rated current CSA (Use Group D)

10 A

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Physical data

 Pin spacing
 5.08 mm / 0.2 inches

 Width
 23.52 mm / 0.926 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)

Connector (connection type)

Mismating protection

Mismating protection

Mismating protection

Material data

Note (material data) Information on material data can be found here Color orange Material group Insulation material Polyamide (PA66) Flammability class per UL94 V0 Chrome-nickel spring steel (CrNi) Clamping spring material Contact material Electrolytic copper (E_{Cu}) Contact plating Tin Fire load 0.11 MJ Weight 6.5 g

Environmental requirements

Limit temperature range $-60 \dots +100 \,^{\circ}\text{C}$ Processing temperature $-35 \dots +60 \,^{\circ}\text{C}$

Commercial data

Product Group 3 (Multi Conn. System) eCl@ss 10.0 27-44-03-09 27-44-03-09 eCl@ss 9.0 ETIM 8.0 EC002638 ETIM 7.0 EC002638 PU (SPU) 100 Stück Packaging type Box Country of origin VKOrg Germany DE GTIN 4044918259811 Customs tariff number VKOrg Germany 85366990990

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Approvals and certificates

General approvals









Approval	Standard	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL UL International Germany GmbH	UL 1977	E45171
UR Underwriters Laboratories Inc.	UL 1059	E45172

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
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 231-634



Documentation

Additional	Information
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pdf 1949.09 KB **Technical Section** 03.04.2019

https://www.wago.com/231-634



CAD/CAE-Data

CAD data

2D/3D Models 231-634



CAE data

EPLAN Data Portal 231-634



ZUKEN Portal 231-634



1 Compatible products

1.1 System counterpart

1.1.1 Female connector/socket







Item no.: 232-304/026-000

1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; 2,50 mm²; orange



Item no.: 232-404/026-000

1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; 2,50 mm²; orange



Item no.: 231-304/026-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; 2,50 mm²; orange



Item no.: 231-304/031-000

Item no.: 2231-304/026-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; clamping collar; 2,50 mm²; orange



Item no.: 231-304/037-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; Lateral locking levers; 2,50 mm²; orange



Item no.: 231-304/008-000

Item no.: 2231-304/037-000

Item no.: 231-2304/026-000

te; 2,50 mm²; orange

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; Snap-in mounting feet; 2,50 mm²; orange



Item no.: 231-304/102-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; with integrated end plate; 2,50 mm2; orange



1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; 2,50 mm²; oran-



Item no.: 2231-304/031-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; clamping collar; 2,50 mm²; orange



1-conductor female connector; pushbutton; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; Lateral locking levers; 2,50 mm²; orange



Item no.: 2231-304/008-000

1-conductor female connector; pushbutton; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; Snap-in mounting feet; 2,50 mm²; orange



Item no.: 2231-304/102-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; with integrated end plate; 2,50 mm2; orange



Item no.: 231-2304/037-000

2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 4-pole; Lateral locking levers; 2,50 mm2; orange



Item no.: 232-264

THT female header; angled; Pin spacing 5.08 mm; 4-pole; 0.6 x 1.0 mm solder pin; orange



Item no.: 232-264/031-000

THT female header; angled; Pin spacing 5.08 mm; 4-pole; clamping collar; 0.6 x 1.0 mm solder pin; orange





THT female header; angled; Pin spacing

5.08 mm; 4-pole; Spacer flange; 0.6 x 1.0

2-conductor female connector; Push-in

5.08 mm; 4-pole; with integrated end pla-

CAGE CLAMP®; 2.5 mm²; Pin spacing

Item no.: 232-264/039-000

THT female header; angled; Pin spacing 5.08 mm; 4-pole; Locking lever; 0.6 x 1.0 mm solder pin; orange



Item no.: 232-164

THT female header; straight; Pin spacing 5.08 mm; 4-pole; 0.6 x 1.0 mm solder pin; orange



Item no.: 232-164/031-000

THT female header; straight; Pin spacing 5.08 mm; 4-pole; clamping collar; 0.6 x 1.0 mm solder pin; orange

Item no.: 232-164/039-000

THT female header; straight; Pin spacing 5.08 mm; 4-pole; Locking lever; 0.6 x 1.0 mm solder pin; orange

Item no.: 232-164/047-000

Item no.: 232-264/047-000

mm solder pin; orange

THT female header; straight; Pin spacing 5.08 mm; 4-pole; Spacer flange; 0.6 x 1.0 mm solder pin; orange

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1.2 Optional accessories

1.2.1 Coding

1.2.1.1 Coding



Item no.: 231-129

Coding key; snap-on type; light gray

1.2.2 Cover

1.2.2.1 Cover



Item no.: 231-669

Lockout caps; for covering unused clamping units; orange



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1.2.3.1 Ferrule

Item no.: 216-223

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

Item no.: 216-103

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

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 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

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

1.2.6 Marking

1.2.6.1 Marking strip

Item no.: 210-331/508-103

Marking strips; as a DIN A4 sheet; MAR-KED; 1-12 (200x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white Item no.: 210-332/508-202

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.: 210-332/508-205

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.: 210-331/508-104

Marking strips; as a DIN A4 sheet; MAR-KED; 13-24 (200x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item no.: 210-332/508-204

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.: 210-332/508-206

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 Strain relief

1.2.7.1 Strain relief housing



Item no.: 232-634

Strain relief housing; orange

1.2.8 Tool

1.2.8.1 Operating tool



Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Operating tool; Blade: 3.5×0.5 mm; with a partially insulated shaft; short; multicoloured



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



Operating tool; made of insulating material; 10-way



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



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



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

Item no.: 280-432

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



Item no.: 280-433

Item no.: 209-130

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

Item no.: 280-438

Operating tool; made of insulating material; 8-way

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 male header – fitting coding key (s).

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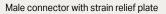
Testing



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







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

Marking



Labeling via direct marking or self-adhesive strips.

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