### Data Sheet | Item Number: 231-108/037-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 8-pole; Lateral locking levers; 2,50 mm<sup>2</sup>; gray https://www.wago.com/231-108/037-000





2,2 29,6 0 12,2 8.6 8 5 14,3

Color: I gray

Derating Curve 1-conductor female connector (231-102/026-000) with THT male header (231-432/001-000) Pin spacing: 5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st" Based on: EN 60512-5-2 / Reduction factor: 0.8 Current in A 45 40 35 30 25 20 15 10 5 0 10 30 40 50 60 20 Ambient operating temperature in °C 2-, 4-, 6-, 12-, 24-pole Conductor rated current

• Universal connection for all conductor types

- ٠ Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports •
- · With coding fingers

Notes	
Safety information	The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capaci- ty 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://

Dimensions in mm L = pole no. x pin spacing

2- to 3-pole female connectors - one latch only

configurator.wago.com/.

# Data Sheet | Item Number: 231-108/037-000 https://www.wago.com/231-108/037-000



Electrical data			
Ratings per	IEC/EN 60664-1		
Overvoltage category	Ш	III	Ш
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 1977	
Rated voltage	600 V		
Rated current		15 A	

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 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	8		Connection 1	
Total number of potentials	8		Connection technology	CAGE CLAMP®
Number of connection types	1		Actuation type	Operating tool
Number of levels	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 ferrule	0.25 1.5 mm²		
		Fine-stranded conductor; with uninsula- ted ferrule	0.25 2.5 mm²	
		Strip length	8 9 mm / 0.31 0.35 inches	
	Pole number	8		
	Conductor entry direction to mating di- rection	0 °		

Pin spacing 5 mm / 0.197 inc	nes
Width 56.6 mm / 2.228	nches
Height 14.3 mm / 0.563	nches
Depth 29.6 mm / 1.165	nches

Mechanical data	
Variable coding	Yes
Anti-rotation protection	Yes

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

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Material data



Information on material specifications can be found here
gray
1
Polyamide (PA66)
VO
Chrome-nickel spring steel (CrNi)
Copper alloy
Tin
0.367 MJ
15.7 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	4044918340342
Customs tariff number	85366990990

**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
UR Underwriters Laboratories Inc.	UL 1977	E45171

Declarations of conformity and manufacturer's declarations



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

#### Data Sheet | Item Number: 231-108/037-000 https://www.wago.com/231-108/037-000

nttps://www.wago.com/231-108/037-

#### 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 231-108/037-000

#### Documentation

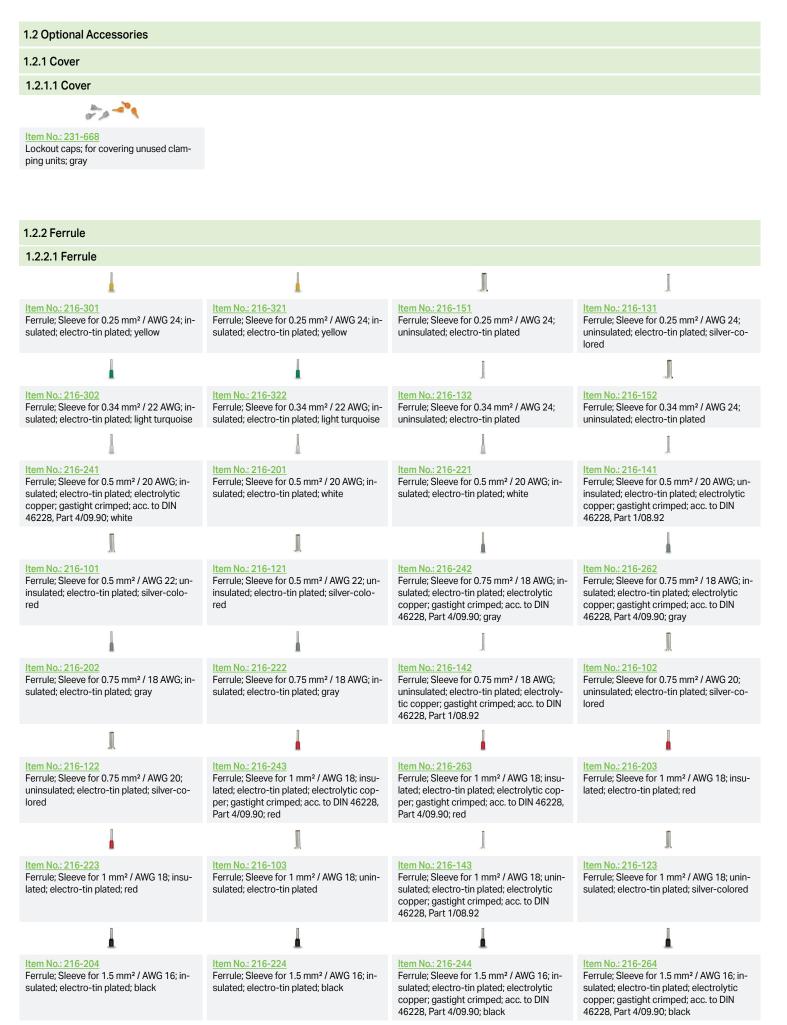
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	$\downarrow$

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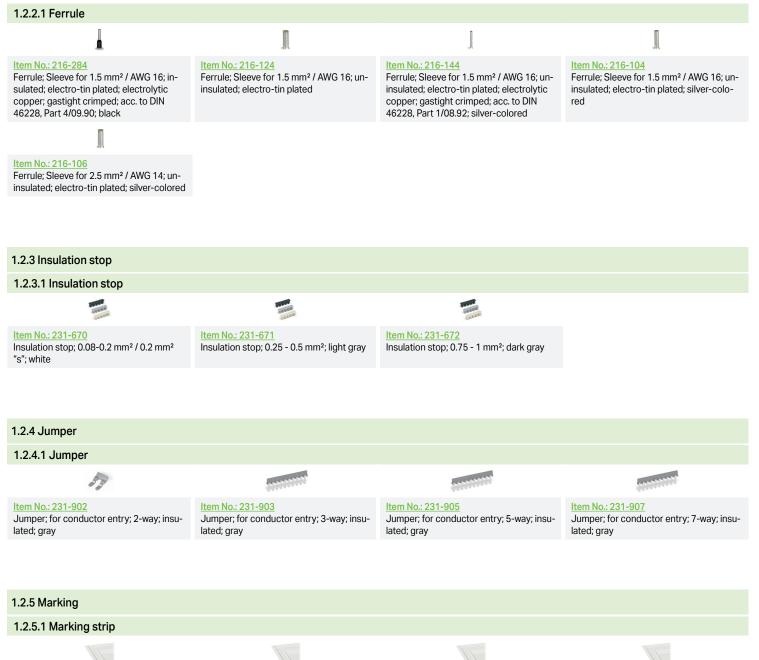
https://www.wago.com/231-108/037-000





https://www.wago.com/231-108/037-000





#### 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.: 210-332/500-204 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.: 210-332/500-202 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.: 210-332/500-206

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

#### Item No.: 210-332/500-205

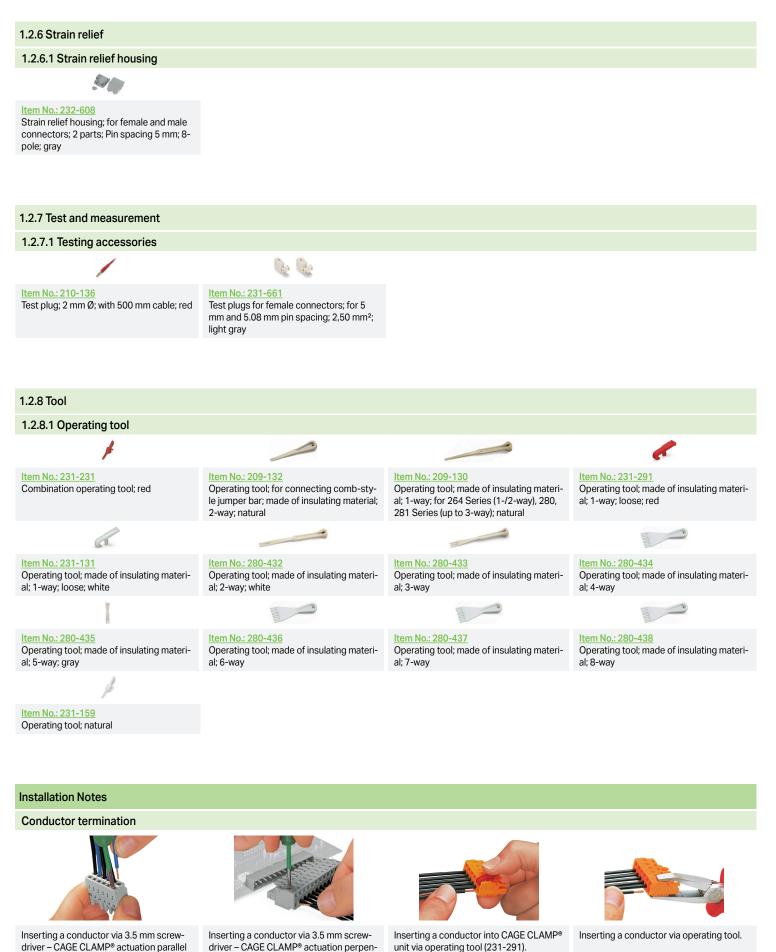
Marking strips; as a DIN A4 sheet; MAR-KED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

#### 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

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to conductor entry.

dicular to conductor entry.

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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®

#### Marking



Labeling via direct marking or self-adhesive strips.

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