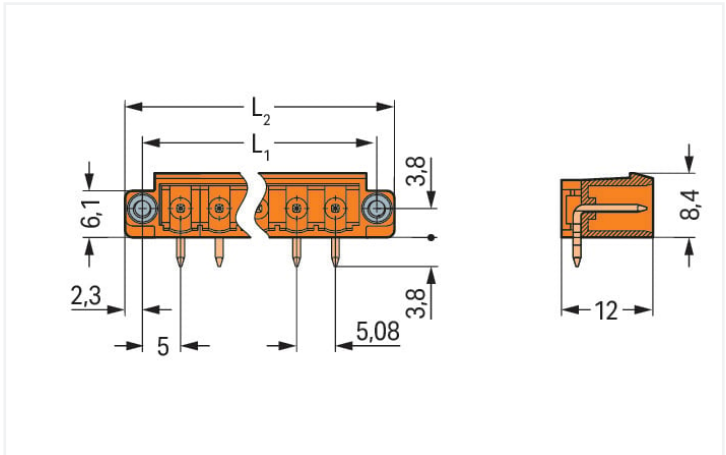


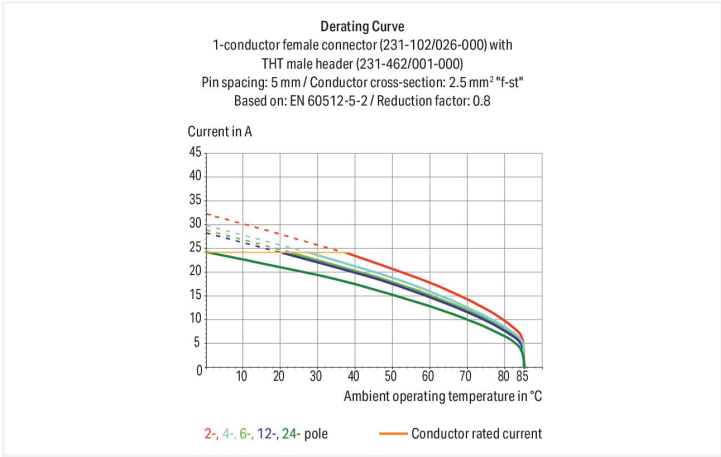


Color: ■ orange

Similar to illustration



Dimensions in mm
L1 = (pole no. x pin spacing) + 5.4 mm
L2 = (pole no. x pin spacing) + 10 mm



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- With coding fingers

Notes	
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:	Other pole numbers 3.8 mm pin projection for male headers with straight solder pins 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 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	12 A	12 A	12 A

Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Approvals per		UL 1977
Rated voltage		600 V
Rated current		10 A

Approvals per		CSA	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Connection data			
Total number of potentials	8	Connection 1	
Number of connection types	1	Pole number	8
Number of levels	1		

Physical data	
Pin spacing	5.08 mm / 0.2 inches
Width	50.64 mm / 1.994 inches
Height	12.2 mm / 0.48 inches
Height from the surface	8.4 mm / 0.331 inches
Depth	12 mm / 0.472 inches
Solder pin length	3.8 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 (+0.1) mm

Mechanical data	
Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection	
Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	0°
Locking of plug-in connection	Threaded flange

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1



Material data	
Note (material data)	Information on material specifications can be found here
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{CU})
Contact plating	Tin
Fire load	0.058 MJ
Weight	3.3 g

Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918867122
Customs tariff number	85366990990

Environmental Product Compliance	
CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	b85e0ea1-607e-484d-88ce-d4634256d430
SCIP notification number (Belgium)	39f30978-22b7-4ba4-8ff2-5d547d911262
SCIP notification number (Bulgaria)	78257b1b-3a30-49b9-8e9c-4507aebcdc7d
SCIP notification number (Czech Republic)	11f07708-83f4-4b17-b1f4-ced963e840e2
SCIP notification number (Denmark)	e0c78f40-5178-46b2-8402-920dc7b61f66
SCIP notification number (Finland)	7c0b2829-761f-4e46-b7cf-a778c40e37e4
SCIP notification number (France)	ebe7651e-eca5-4cb8-8530-2830c4d87415
SCIP notification number (Germany)	60d9b72b-233c-4561-a853-bedb4574352a
SCIP notification number (Hungary)	d7d8eeea-ccff-4666-8964-d2e552d410b8
SCIP notification number (Italy)	03a82272-2fef-4357-a1a8-c9e35b1fe3a0
SCIP notification number (Netherlands)	48bb4c9f-f07c-44e7-8d5d-8fd8a984c0d8
SCIP notification number (Poland)	7aeeb9f4-8006-4389-a9fb-e12fe7ddfd8b
SCIP notification number (Romania)	5c1551ff-20be-4c5f-ae5b-1c66bb5b9922
SCIP notification number (Sweden)	99f2c433-e35c-4a4e-b64a-d3c3a7d871f7

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	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
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 231-538/108-000



Documentation

Additional Information
Technical Section
03.04.2019
pdf 1949.09 KB



CAD/CAE-Data

CAD data
2D/3D Models 231-538/108-000



CAE data
EPLAN Data Portal 231-538/108-000
ZUKEN Portal 231-538/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 231-308/107-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 8-pole; Screw flange; 2,50 mm²; orange



Item No.: 2231-308/107-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 8-pole; Screw flange; 2,50 mm²; orange



Item No.: 231-2308/107-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 8-pole; Screw flange; 2,50 mm²; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 231-129
Coding key; snap-on type; light gray

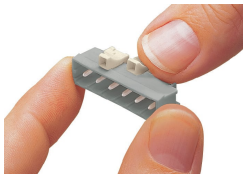
1.2.1.2 Intermediate plate



Item No.: 231-500
Spacer; for formation of groups; light gray

Installation Notes

Coding



Coding a male header – fitting coding key(s).