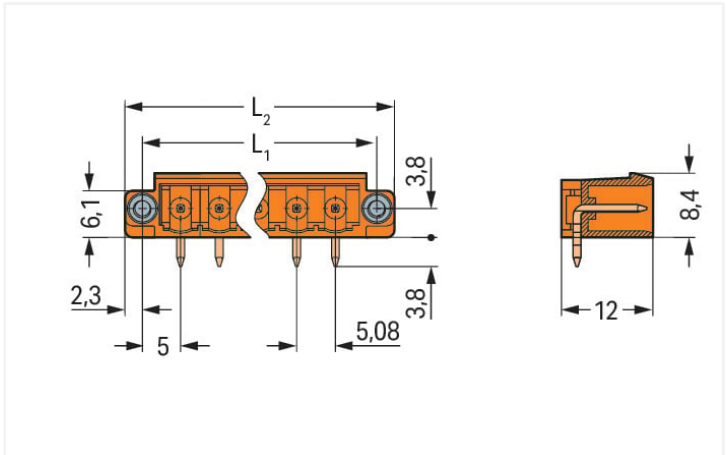


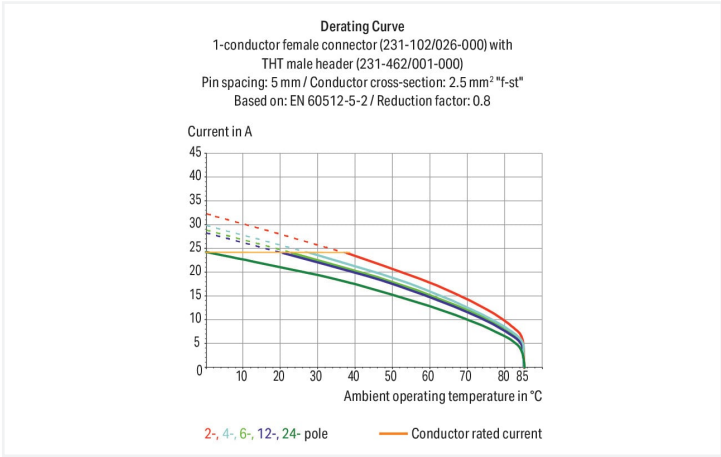


Color: ■ orange

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
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- 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				Approvals per UL 1059			
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	250 V	320 V	630 V	Rated current	15 A	-	10 A
Rated surge voltage	4 kV	4 kV	4 kV				
Rated current	16 A	16 A	16 A				

Approvals per UL 1977		Approvals per CSA			
Rated voltage	600 V	Use group	B	C	D
Rated current	15 A	Rated voltage	300 V	-	300 V
		Rated current	15 A	-	10 A

Connection data

Total number of potentials	3	Connection 1	
Number of connection types	1	Pole number	3
Number of levels	1		

Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	25.24 mm / 0.994 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	1.2 x 1.2 mm
Drilled hole diameter with tolerance	1.7 ^(+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	0.032 MJ
Weight	2 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)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454843724
Customs tariff number	85366930000

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)	3fb8c5f9-c0a1-4e0a-bf50-55800fe088c1
SCIP notification number (Belgium)	26d311ab-c318-4aeb-8bae-d7262e8b90de
SCIP notification number (Bulgaria)	cb990534-6cc6-43d9-91d0-b3c5c52aaec5
SCIP notification number (Czech Republic)	823a16b0-bd0d-4315-9392-b37adb2191d2
SCIP notification number (Denmark)	22a5d87f-471f-483f-8762-c2b874e8616c
SCIP notification number (Finland)	227800f3-94ce-41d1-8ca9-1f035aaf0fe8
SCIP notification number (France)	f2294126-e67e-4c56-b029-6871ec49f4c1
SCIP notification number (Germany)	22e41761-a54a-4d7a-b6f7-962b7ce49c69
SCIP notification number (Hungary)	50b62315-f4a1-43f1-8215-630045fbf065
SCIP notification number (Italy)	ae4f4c21-2808-49eb-844a-b88271299a08
SCIP notification number (Netherlands)	b8f453c5-0622-4029-b3c1-2f2809ae66ea
SCIP notification number (Poland)	628adf8d-c716-4976-8847-1c4b27bc4da1
SCIP notification number (Romania)	c3505917-b77f-405a-97a3-8294f83d9fe4
SCIP notification number (Sweden)	e58b3538-a16f-488f-9a49-b1c8413fb18b



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
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 231-563/108-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 231-563/108-000



CAE data
ZUKEN Portal 231-563/108-000



PCB Design	
Symbol and Footprint via SamacSys 231-563/108-000	
Symbol and Footprint via Ultra Librarian 231-563/108-000	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 231-303/107-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 3-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

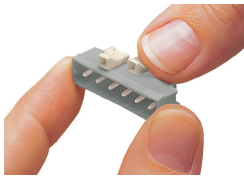
1.2.1.2 Intermediate plate



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

Installation Notes

Coding



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