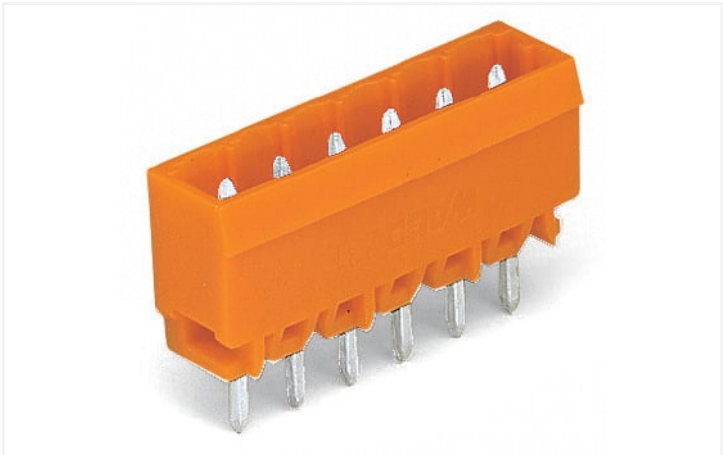
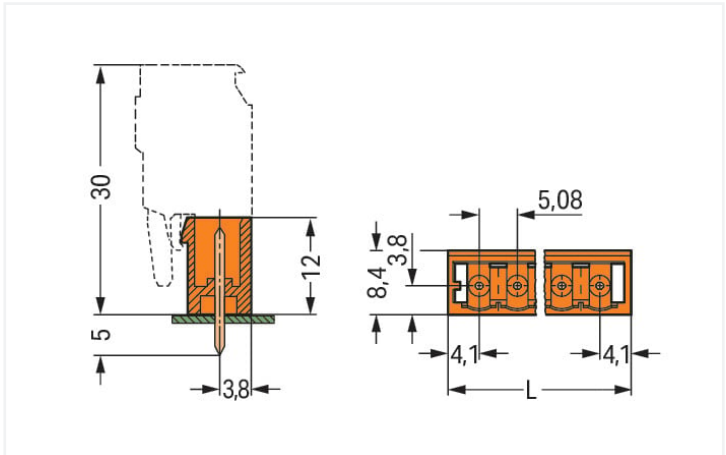
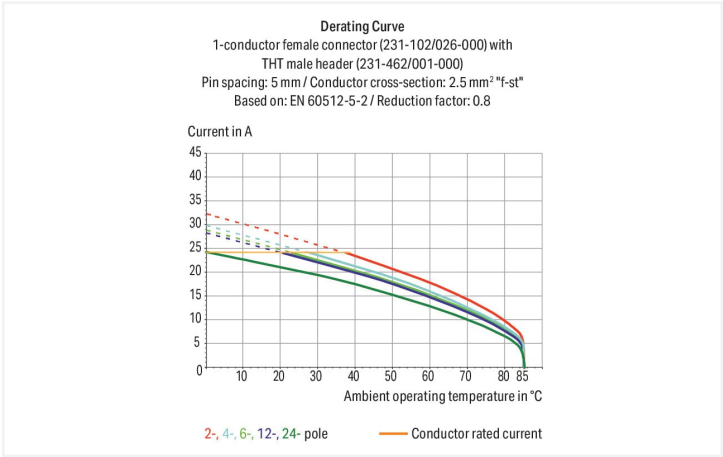




Color: orange Similar to illustration



Dimensions in mm
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$



- 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		Ratings per IEC/EN	
Ratings per	IEC/EN 60664-1	Nominal voltage (II/2)	630 V
Nominal voltage (III/3)	320 V	Rated surge voltage (II/2)	4 kV
Rated impulse voltage (III/3)	4 kV	Rated current	12 A
Rated voltage (III/2)	320 V	Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2
Rated impulse voltage (III/2)	4 kV		

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	10 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Total number of potentials	7
Number of connection types	1
Number of levels	1

Connection 1

Pole number	7
-------------	---

Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	38.68 mm / 1.523 inches
Height	17 mm / 0.669 inches
Height from the surface	12 mm / 0.472 inches
Depth	8.4 mm / 0.331 inches
Solder pin length	5 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	90 °

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	0.042 MJ
Weight	2.3 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	4044918865425
Customs tariff number	85366990990

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
   					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1	Railway WAGO GmbH & Co. KG	-	Railway Ready
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			



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 231-337/001-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 1949.09 KB



CAD/CAE-Data

CAD data
2D/3D Models 231-337/001-000



CAE data
EPLAN Data Portal 231-337/001-000
ZUKEN Portal 231-337/001-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 232-407/026-000
1-conductor female connector, angled;
CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08
mm; 7-pole; 2,50 mm²; orange



Item No.: 232-307/026-000
1-conductor female connector, angled;
CAGE CLAMP®; 2.5 mm²; Pin spacing
5.08 mm; 7-pole; direct marking; 2,50
mm²; orange



Item No.: 231-307/026-000
1-conductor female connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;
7-pole; 2,50 mm²; orange



Item No.: 231-307/027-000
1-conductor female connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;
7-pole; clamping collar; 2,50 mm²; orange



Item No.: 231-307/031-000
1-conductor female connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;
7-pole; clamping collar; 2,50 mm²; orange



Item No.: 231-307/037-000
1-conductor female connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;
7-pole; Lateral locking levers; 2,50 mm²;
orange



Item No.: 231-307/102-000
1-conductor female connector; CAGE
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;
7-pole; with integrated end plate; 2,50
mm²; orange



Item No.: 2231-307/026-000
1-conductor female connector; push-but-
ton; Push-in CAGE CLAMP®; 2.5 mm²; Pin
spacing 5.08 mm; 7-pole; 2,50 mm²; oran-
ge



1.1.1 Female connector/socket



Item No.: 2231-307/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; clamping collar; 2,50 mm²; orange



Item No.: 2231-307/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; Lateral locking levers; 2,50 mm²; orange



Item No.: 2231-307/102-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; with integrated end plate; 2,50 mm²; orange



Item No.: 231-2307/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; Lateral locking levers; 2,50 mm²; orange



Item No.: 231-2307/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; with integrated end plate; 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

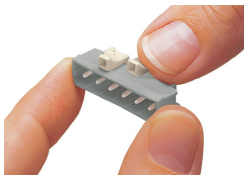
1.2.1.2 Intermediate plate



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

Installation Notes

Coding



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