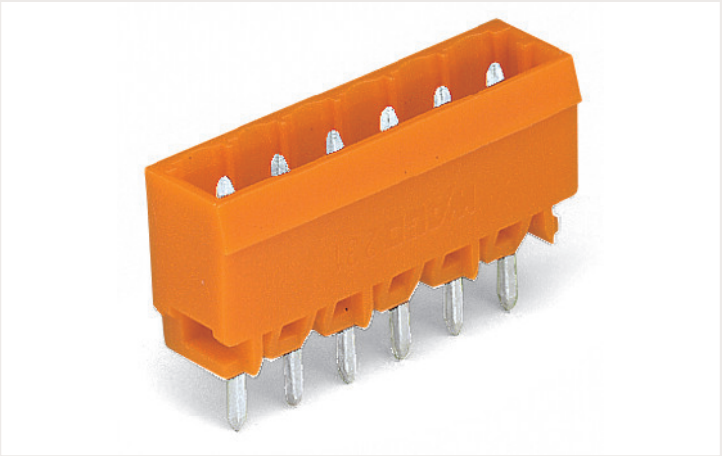
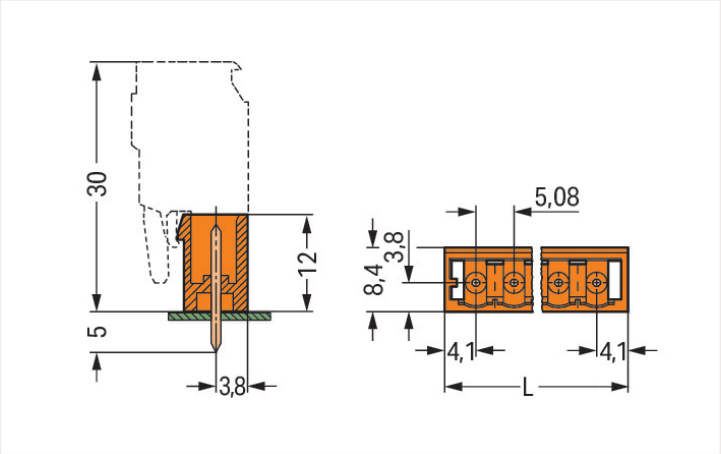
Data sheet | Item number: 231-332/001-000

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5.08 mm; 2-pole; orange

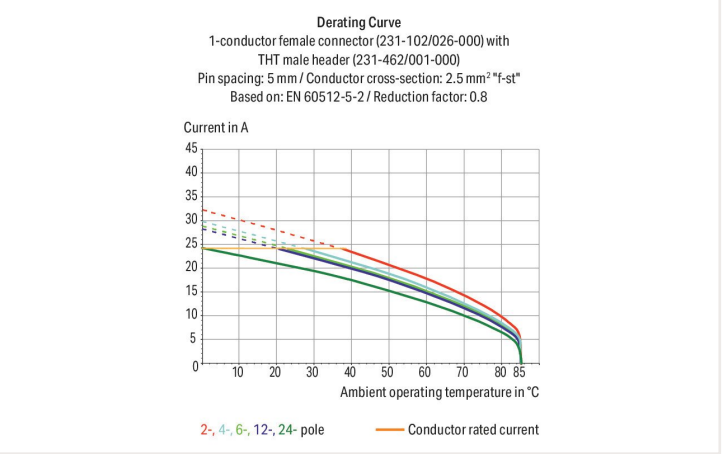
https://www.wago.com/231-332/001-000



Color: orange



Dimensions in mm
L = (pole no. – 1) x pin spacing + 8.2 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 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 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 60664-1
Nominal voltage (III/3)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
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

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

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	2
Number of connection types	1
Number of levels	1

Connection 1

Pole number	2

Physical data

Pin spacing	5.08 mm / 0.2 inch
Width	13.28 mm / 0.523 inch
Height	17 mm / 0.669 inch
Height from the surface	12 mm / 0.472 inch
Depth	8.4 mm / 0.331 inch
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

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	90 °
Locking of plug-in connection	none

Continued on next page

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 data 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	0.017 MJ
Weight	0.8 g

Environmental requirements

Limit temperature range	-60 … +100 °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 7.0	EC002637
ETIM 6.0	EC002637
PU (SPU)	200 Stück
Packaging type	Box
Country of origin VKOrg Germany	PL
GTIN	4044918865173
Customs tariff number VKOrg Germany	85366990990

Approvals / Certificates

Country specific Approvals

Approval	Standard	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-39756
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	2190761.01

Ship Approvals

Approval	Standard	Certificate name
ABS American Bureau of Shipping	-	19-HG1869876-PDA

Continued on next page

UL-Approvals

Approval	Standard	Certificate name
UL UL International Germany GmbH	UL 1977	E45171
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
231-332/001-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 1949.09 KB

CAD/CAE-Data

CAD data

2D/3D Models
231-332/001-000

CAE data

EPLAN Data Portal
231-332/001-000

ZUKEN Portal
231-332/001-000

1 Compatible products

1.1 Counterpart

1.1.1 Female connector/socket



Item no.: 232-302/026-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange



Item no.: 232-402/026-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange



Item no.: 231-302/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange



Item no.: 231-302/031-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; clamping collar; 2,50 mm²; orange



Item no.: 231-302/037-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; Lateral locking levers; 2,50 mm²; orange



Item no.: 231-302/102-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; with integrated end plate; 2,50 mm²; orange



Item no.: 2231-302/026-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange



Item no.: 2231-302/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; clamping collar; 2,50 mm²; orange

1.1.1 Female connector/socket



Item no.: 2231-302/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; Lateral locking levers; 2,50 mm²; orange



Item no.: 2231-302/102-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; with integrated end plate; 2,50 mm²; orange



Item no.: 231-2302/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; Lateral locking levers; 2,50 mm²; orange



Item no.: 231-2302/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 2-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

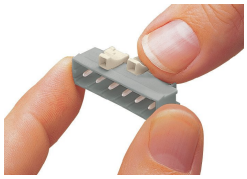
1.2.1.2 Intermediate plate



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

Installation notes

Coding



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