

Data Sheet | Item Number: 231-375/108-000

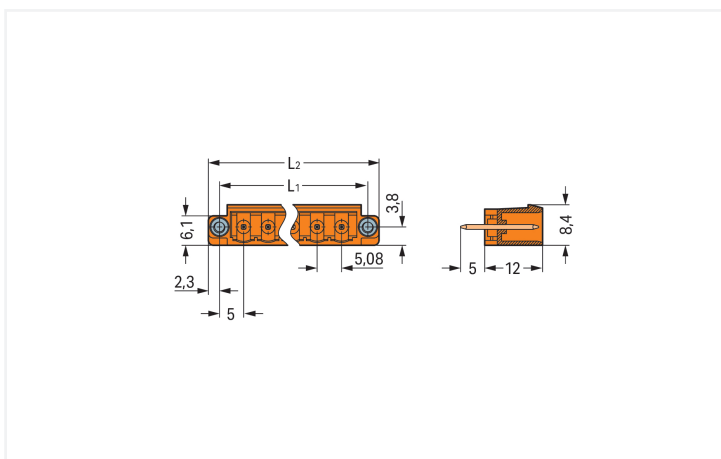
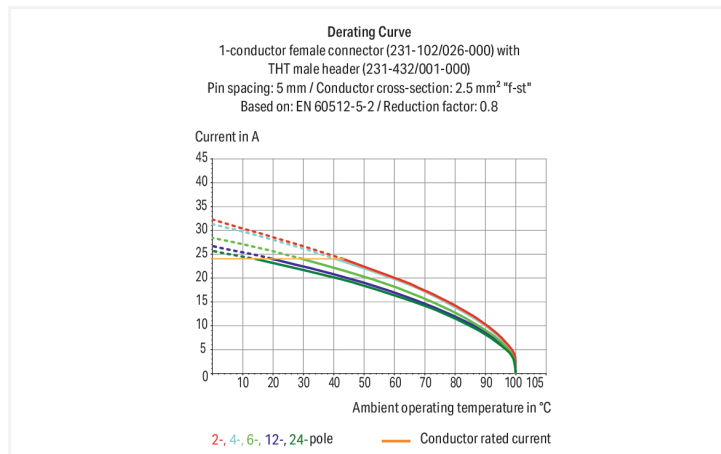
THT male header; 1.2 x 1.2 mm solder pin; straight; Threaded flange; Pin spacing 5.08 mm; 15-pole; orange

<https://www.wago.com/231-375/108-000>



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

Male connector, 231 Series, solder pin dimensions 1.2 x 1.2 mm

Our male connector (item number 231-375/108-000) simplifies electrical installations. The item's dimensions are (86.2 x 17 x 8.4) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.

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	250 V	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	16 A	16 A	16 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

Approvals per	UL 1977
Rated voltage	600 V
Rated current	15 A

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

Connection Data

Total number of potentials	15
Number of connection types	1
Number of levels	1

Connection 1	
Pole number	15

Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	86.2 mm / 3.394 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	1.2 x 1.2 mm
!	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	90 °
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 (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.099 MJ
Weight	6.5 g

Environmental requirements

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

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454845803
Customs tariff number	85366930000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 10.0	EC002637
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	7b8caaf2-0858-41a6-9a08-883f9dfc826f
SCIP notification number (Belgium)	8281919f-e2f2-43fd-9bf5-442892346ee3
SCIP notification number (Bulgaria)	49f125be-00da-4a21-ae67-36c266da5a91
SCIP notification number (Czech Republic)	72d0d8e6-2569-4ae5-8a62-1e47178894bf
SCIP notification number (Denmark)	ca8725b2-7a00-40ec-95e3-546ab6bfd02e
SCIP notification number (Finland)	da4f0109-43a9-498a-86e8-4f0b7ad8f167
SCIP notification number (France)	82e35c10-b9df-496c-957f-64f430c054d7
SCIP notification number (Germany)	9276b124-edb3-48af-a055-c94d6c13d2e7
SCIP notification number (Hungary)	4d51a9d6-de06-4312-aff7-7e018709b5b0
SCIP notification number (Italy)	53377045-5dd6-4dcc-92ea-c2d63a203197
SCIP notification number (Netherlands)	07955272-7e86-46b8-b9bc-b9a54ee07220
SCIP notification number (Poland)	dc813ae8-fdf3-4045-b342-dd3801315b86
SCIP notification number (Romania)	d541b552-2850-458c-aec4-0f3219970b0c
SCIP notification number (Sweden)	0177abe9-367f-4c6b-aff8-841fe046b751

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-130478 REV.1
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 231-375/108-000	↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
231-375/108-000



CAE data

ZUKEN Portal
231-375/108-000



PCB Design

Symbol and Footprint
via SamacSys
231-375/108-000



Symbol and Footprint
via Ultra Librarian
231-375/108-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 231-315/107-000](#)

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 15-pole; Screw flange; 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

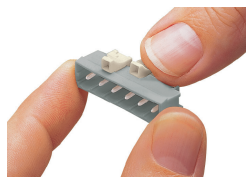


[Item No.: 231-500](#)

Spacer; for formation of groups; light gray

Installation Notes

Coding



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

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

Current addresses can be found at: www.wago.com