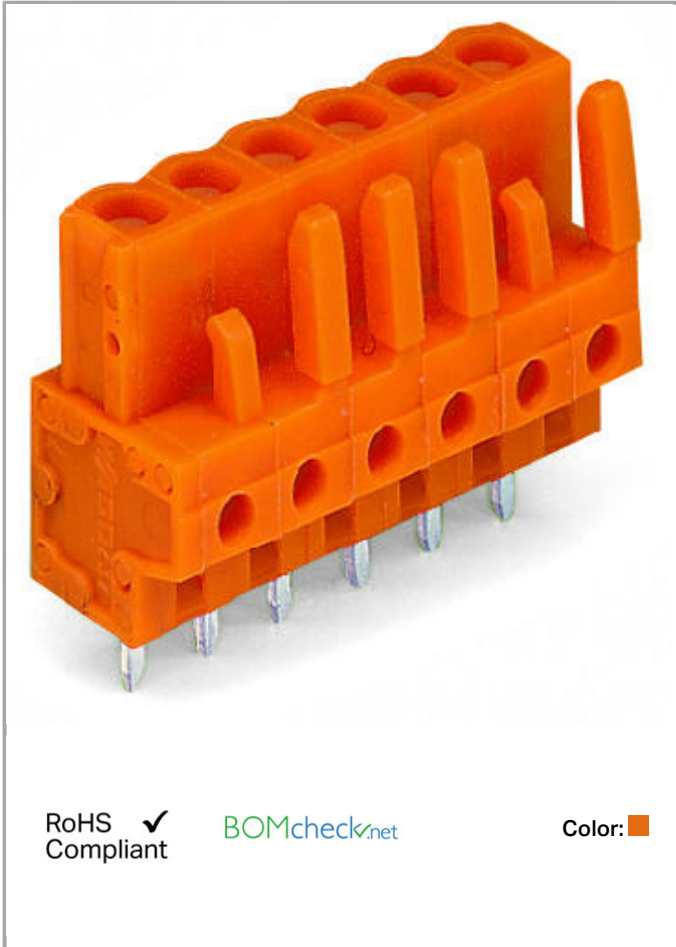


Data sheet | Item number: 232-172

THT female header; 0.6 x 1.0 mm solder pin; straight; Pin spacing 5.08 mm;  
12-pole



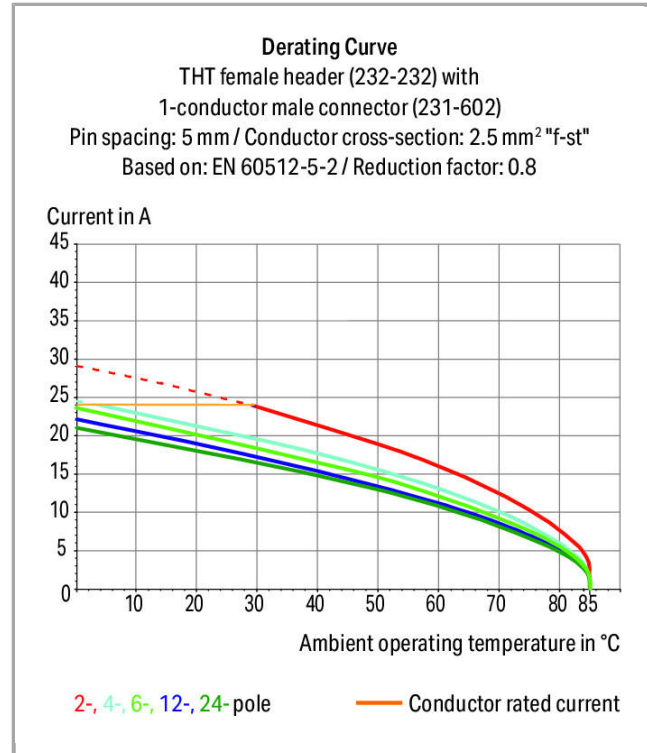
232-172

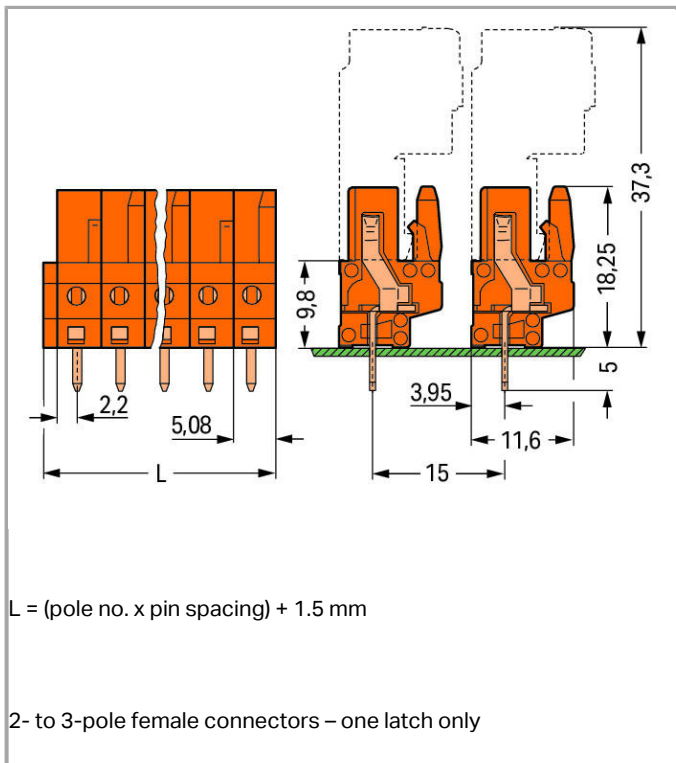


RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■





### Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- With coding fingers

### Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

Rated 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
Rated voltage (II / 2)	630 V

Rated impulse voltage (II / 2)	4 kV
Rated current	12 A

### Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	15 A

### Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

### Connection data

No. of poles	12
Total number of connection points	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	5.08 mm / 0.2 inch
Width	62.46 mm / 2.459 inch
Height	23.25 mm / 0.915 inch
Height from the surface	18.25 mm / 0.719 inch
Depth	11.6 mm / 0.457 inch
Solder pin length	5 mm
Solder pin dimensions	0.6 x 1 mm
Drilled hole diameter (tolerance)	1.3 <sup>(- ... +0.1)</sup> mm

### Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for PCBs

Mismating protection	No
Mating direction to the PCB	90°

### PCB contact

PCB contact	THT
Solder pin arrangement	over the entire female connector, in line
Number of solder pins per potential	1

### Material Data

Color	orange
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.173 MJ
Weight	10.45 g

### Environmental Requirements


Limit temperature range	-60 ... +85 °C
-------------------------	----------------

### Commercial data

Product Group	3 (Multi Conn. System)
Country of origin	DE
GTIN	4044918578837
Customs Tariff No.	85366990990

### Approvals / Certificates

#### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-39756
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 61984	2190761.01

#### Ship Approvals


Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b>	-	14-



American Bureau of Shipping


HG1241537-PDA

**UL-Approvals**

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172 sec. 18

**Compatible products**

check

	Item no.: 231-661 Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing	231-661
--	---	---------

**Downloads**

**Documentation**

Additional Information

pdf  
3.6 MB  
[Download](#)

**CAD/CAE - Smart Data**

CAD data

3D Download 232-172 [URL](#) [Download](#)

Subject to changes.