

## Data sheet | Item number: 232-262

THT female header; 0.6 x 1.0 mm solder pin; angled; Pin spacing 5.08 mm; 2-pole; orange

[www.wago.com/232-262](http://www.wago.com/232-262)

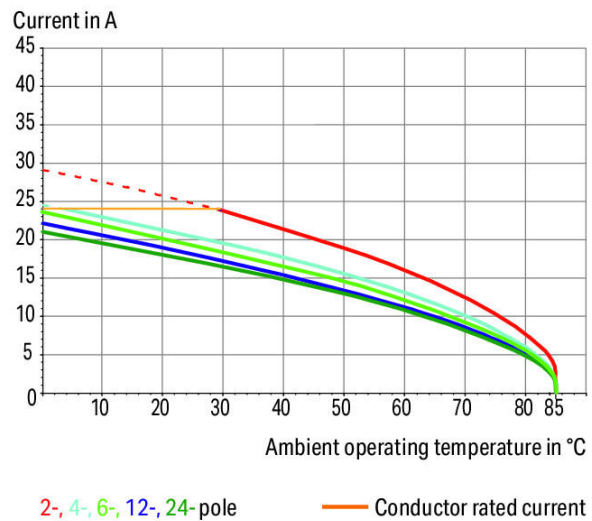


RoHS  
Compliant

BOMcheck.net

Color: ■

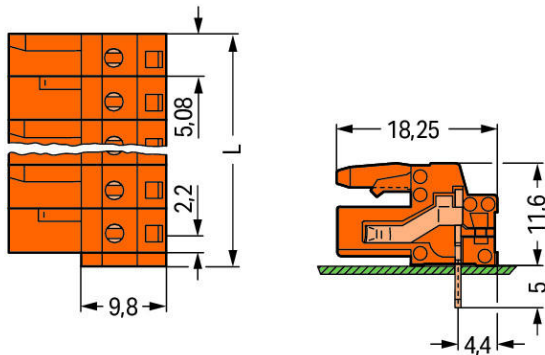
**Derating Curve**  
THT female header (232-232) with  
1-conductor male connector (231-602)  
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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

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$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$

Distance to first solder pin: 2.2 mm

2- to 3-pole female connectors – one latch only

## 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 *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. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Data

### Electrical data

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

| Ratings per                 | IEC/EN 60664-1                                                       |
|-----------------------------|----------------------------------------------------------------------|
| Nominal voltage (III/3)     | 320 V                                                                |
| Rated surge voltage (III/3) | 4 kV                                                                 |
| Rated voltage (III/2)       | 320 V                                                                |
| Rated surge 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) $\triangleq$ Overvoltage category III / Pollution degree 2 |

**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 UL 1977 | 600 V |
| Rated current UL 1977 | 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**

|                                   |   |
|-----------------------------------|---|
| Pole No.                          | 2 |
| Total number of connection points | 2 |
| Total number of potentials        | 2 |
| Number of connection types        | 1 |
| Number of levels                  | 1 |

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## Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5,08 mm / 0.2 inch       |
| Width                                | 11,66 mm / 0.459 inch    |
| Height                               | 16,6 mm / 0.654 inch     |
| Height from the surface              | 11,6 mm / 0.457 inch     |
| Depth                                | 18,25 mm / 0.719 inch    |
| Solder pin length                    | 5 mm                     |
| Solder pin dimensions                | 0,6 x 1 mm               |
| Drilled hole diameter with tolerance | 1,3 <sup>(+0,1)</sup> mm |

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for PCB                 |
| Mismating protection               | No                      |
| Mating direction to the PCB        | 0°                      |

## 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                    |
| Insulation material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Contact material            | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.033 MJ             |
| Weight                      | 1.9 g                |

## Environmental Requirements

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

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## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918579438          |
| Customs tariff number | 85366990990            |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                             | Approval                                     | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 61984                 | 2190761.01       |

### Ship Approvals

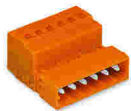
| Logo                                                                                | Approval                                  | Additional Approval Text | Certificate name  |
|-------------------------------------------------------------------------------------|-------------------------------------------|--------------------------|-------------------|
|   | <b>ABS</b><br>American Bureau of Shipping | -                        | 19-HG15869876-PDA |
|  | <b>LR</b><br>Lloyds Register              | IEC 61984                | 96/20035 (E5)     |

### UL-Approvals

| Logo                                                                               | Approval                                    | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|------------------|
|  | <b>UL</b><br>UL International Germany GmbH  | UL 1977                  | E45171           |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172 sec. 18   |

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

## Counterpart



Item no.231-632

1-conductor male connector; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

[www.wago.com/231-632](http://www.wago.com/231-632)

Item no.231-632/019-000

1-conductor male connector; clamping collar; 2.5 mm²; Pin spacing 5.08 mm; 2-pole; 2,50 mm²; orange

[www.wago.com/231-632/019-000](http://www.wago.com/231-632/019-000)

## Compatible products

### check



Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

[www.wago.com/231-661](http://www.wago.com/231-661)

## Downloads

### CAD/CAE-Data

#### CAD data

2D/3D Models 232-262

URL

Download

#### CAE data

EPLAN Data Portal 232-262

URL

Download

#### PCB Design

Symbol and Footprint 232-262

URL

Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect

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- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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## Installation Notes

## Product family

**<i>MCS</i> MIDI Classic**

[Show all products from the family](#)

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