

Fișă tehnică | Număr articol: 231-333/001-000/105-604

THR male header; 1.2 x 1.2 mm solder pin; straight; Pin spacing 5.08 mm; 3-pole; black



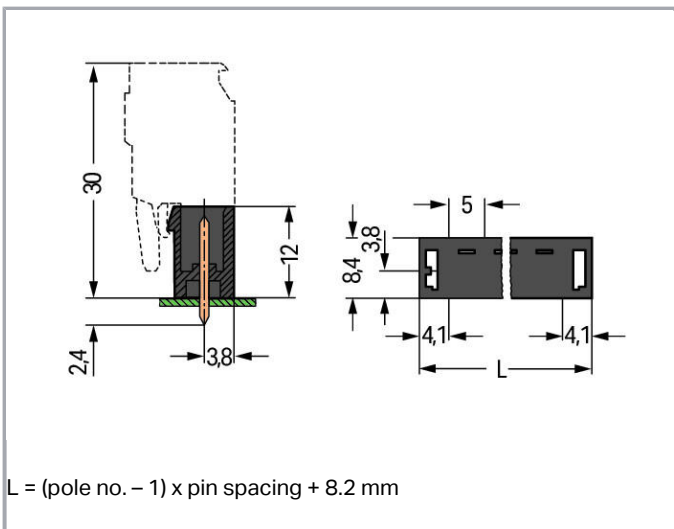
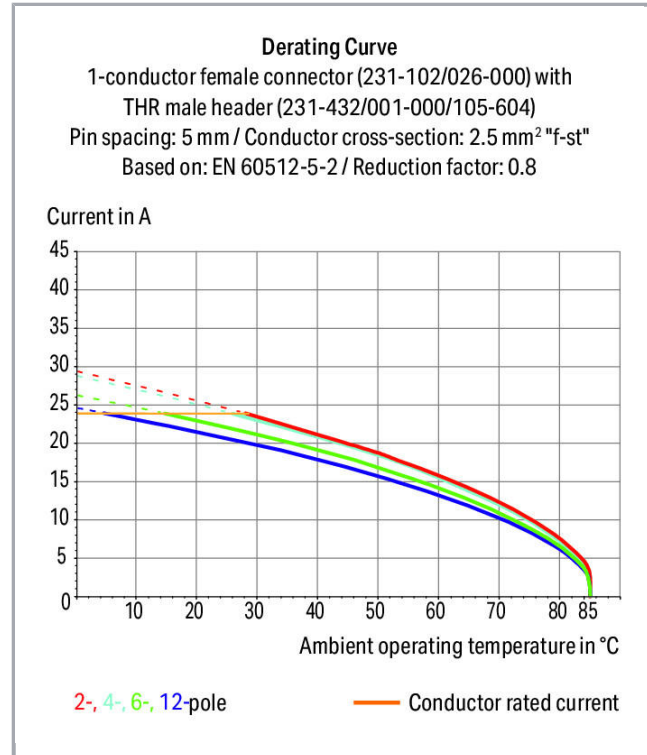
[www.wago.com/231-333/001-000/105-604](http://www.wago.com/231-333/001-000/105-604)



RoHS  Compliant

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

Culoare: ■



Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Descriere articol

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- Also available in bulk packaging for manual placement
- Male headers may be mounted horizontally or vertically
- 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.

## Date

### Electrical data

#### 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) ≙ Overvoltage category III / Pollution degree 2 |

#### 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    |
| Approvals per                  | UL 1059 |

#### Approvals per UL 1977

|                       |       |
|-----------------------|-------|
| Rated voltage UL 1977 | 600 V |
|-----------------------|-------|

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|                       |      |
|-----------------------|------|
| Rated current UL 1977 | 15 A |
|-----------------------|------|

**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**

|                            |   |
|----------------------------|---|
| Pole No.                   | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels           | 1 |

**Geometrical Data**

|                                    |                          |
|------------------------------------|--------------------------|
| Pin spacing                        | 5,08 mm / 0.2 inch       |
| Width                              | 18,36 mm / 0.726 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                  | 2,4 mm                   |
| Solder pin dimensions              | 1 x 1 mm                 |
| Plated through-hole diameter (THR) | 1,7 <sup>(+0,1)</sup> mm |

**Plug connection**

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 90°                 |

**PCB contact**

|                                     |   |
|-------------------------------------|---|
| PCB contact                         | THR                                     |
| Solder pin arrangement              | over the entire male connector, in line |
| Number of solder pins per potential | 1                                       |

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## Material Data

|                             |  |
|-----------------------------|--|
| Color                       | black                                  |
| Material group              | I                                      |
| Insulation material         | Polyphthalamide (PPA GF)               |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,027 MJ                               |
| Weight                      | 1,1 g                                  |

## Environmental Requirements


|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

## Commercial data


|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | PL            |
| GTIN                  | 4055143121828 |
| Customs tariff number | 85366990990   |

## Aprobări / certificate

### Country specific Approvals

| Emblemă  | Aprobare                        | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------|------------------------------|-----------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2                        | 1466354         |

### UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat |
|--|--------------------------------------|------------------------------|-----------------|
|  | UL<br>UL International Germany GmbH  | UL 1977                      | E45171          |
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                      | E45172          |

Supus modificărilor.



## Counterpart



Nr. articol: 231-303/026-000

1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 3-pole; 2,50 mm<sup>2</sup>; orange

[www.wago.com/231-303/026-000](http://www.wago.com/231-303/026-000)

## Produse compatibile

### Marking accessories



Nr. articol: 210-833

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://www.wago.com/210-833)



Nr. articol: 210-834

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

[www.wago.com/210-834](http://www.wago.com/210-834)

### Coding



Nr. articol: 231-129

Coding key; snap-on type; light gray

[www.wago.com/231-129](http://www.wago.com/231-129)



Nr. articol: 231-500

Spacer; for formation of groups; light gray

[www.wago.com/231-500](http://www.wago.com/231-500)

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

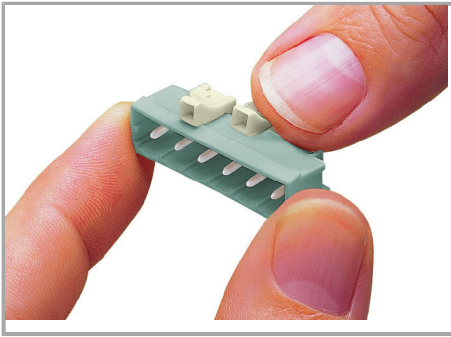
pdf  
3,6 MB

Descărcare

## Installation Notes

### Coding

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

## Familie de produse

*MCS* MIDI Classic

Afișare globală produse din familie.

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