

## Fișă tehnică | Număr articol: 231-344/108-000

THT male header; 1.0 x 1.0 mm solder pin; straight; Threaded flange; Pin spacing 5.08 mm; 14-pole; orange

[www.wago.com/231-344/108-000](http://www.wago.com/231-344/108-000)



RoHS Compliant

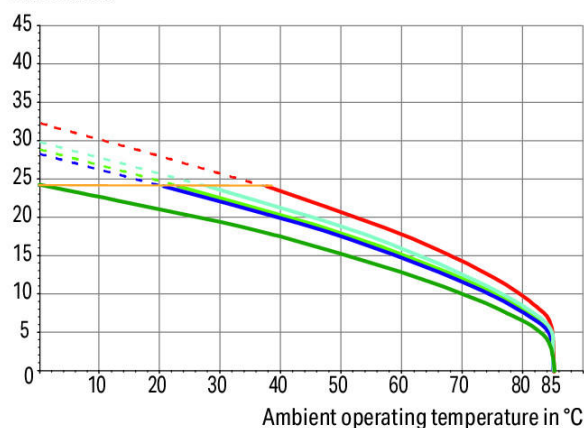
BOMcheck.net

Culoare:

### Derating Curve

1-conductor female connector (231-102/026-000) with  
THT male header (231-462/001-000)  
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

Current in A



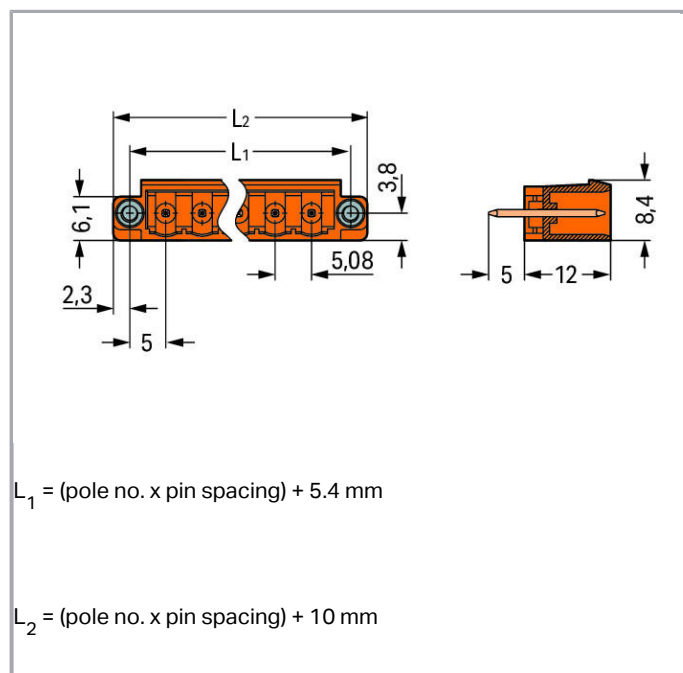
2-, 4-, 6-, 12-, 24- pole

— Conductor rated current

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
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Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

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



## Descriere articol

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- 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          |

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|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| 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) | 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 |
| Rated current UL 1977 | 10 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.                   | 14 |
| Total number of potentials | 14 |
| Number of connection types | 1  |
| Number of levels           | 1  |

#### Geometrical Data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5.08 mm / 0.2 inch       |
| Width                                | 81.12 mm / 3.194 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 <sup>(+0.1)</sup> mm |

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## Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCBs            |
| 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

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | orange                                 |
| Material group              | I                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,09 MJ                                |
| Weight                      | 5,2 g                                  |

## Environmental Requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | PL                     |
| GTIN                  | 4045454029166          |
| Customs tariff number | 85366990990            |

## Aprobări / certificate

### Country specific Approvals

Nume

Supus modificărilor.

| Emblemă                                                                          | Aprobare                              | Text de aprobare suplimentar | certificat |
|----------------------------------------------------------------------------------|---------------------------------------|------------------------------|------------|
|  | CSA<br>DEKRA Certification B.V.       | C22.2                        | 1466354    |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                     | 2190761.01 |

## UL-Approvals

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

## Counterpart

|                                                                                    |                                                                                                                                                                      |                                                                                  |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | Nr. articol231-314/107-000<br>1-conductor female plug; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 14-pole; 2,50 mm <sup>2</sup> ; orange               | <a href="http://www.wago.com/231-314/107-000">www.wago.com/231-314/107-000</a>   |
|  | Nr. articol231-2314/107-000<br>2-conductor female connector; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 14-pole; 2,50 mm <sup>2</sup> ; orange         | <a href="http://www.wago.com/231-2314/107-000">www.wago.com/231-2314/107-000</a> |
|  | Nr. articol2231-314/107-000<br>1-conductor female plug; push-button; Screw flange; 2.5 mm <sup>2</sup> ; Pin spacing 5.08 mm; 14-pole; 2,50 mm <sup>2</sup> ; orange | <a href="http://www.wago.com/2231-314/107-000">www.wago.com/2231-314/107-000</a> |

## Produse compatibile

## Marking accessories

|                                                                                    |                                                                                         |                                                                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | Nr. articol: 210-833<br>Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white | <a href="http://www.wago.com/210-833">www.wago.com/210-833</a> |
|  | Nr. articol: 210-834<br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white | <a href="http://www.wago.com/210-834">www.wago.com/210-834</a> |

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## 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

## CAD/CAE-Data

## CAD data

2D/3D Models 231-344/108-000

URL

Descărcare

## CAE data

EPLAN Data Portal 231-344/108-000

URL

Descărcare

## PCB Design

Symbol and Footprint 231-344/108-000

URL

Descărcare

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
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X

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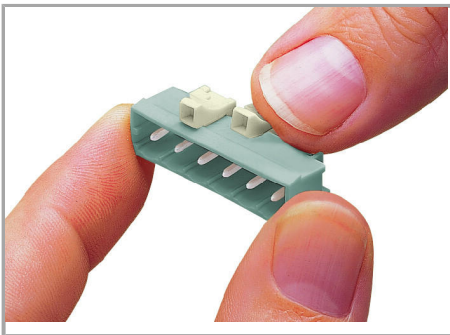
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

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## Installation Notes

### Coding



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

## Familie de produse

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

Afișare globală produse din familie.

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