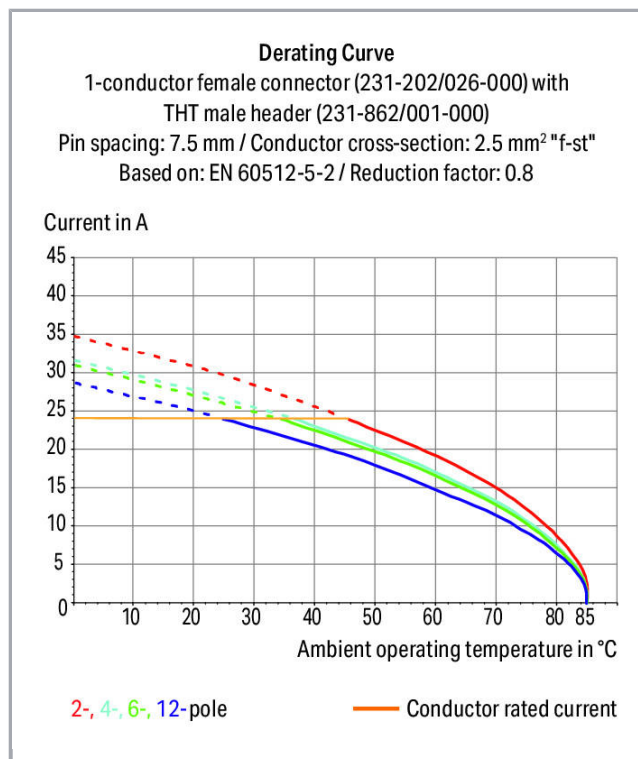
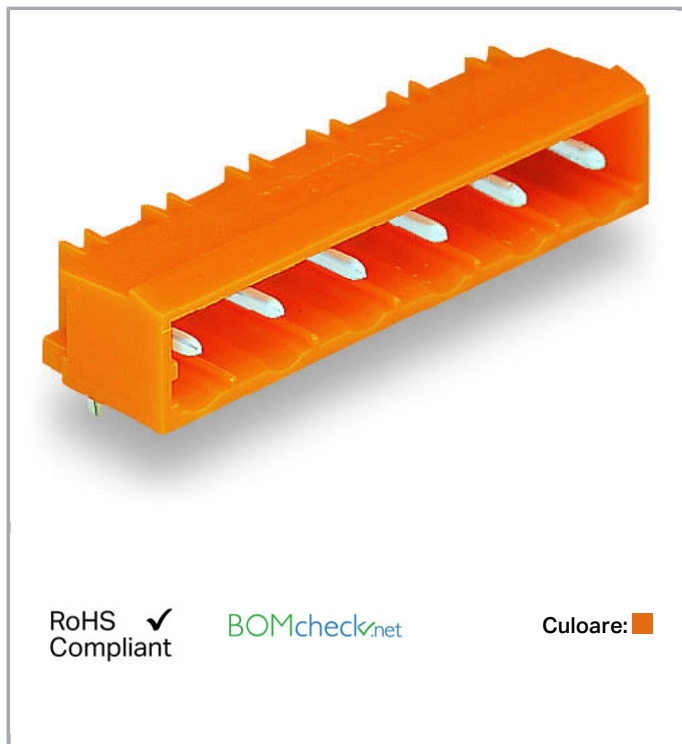
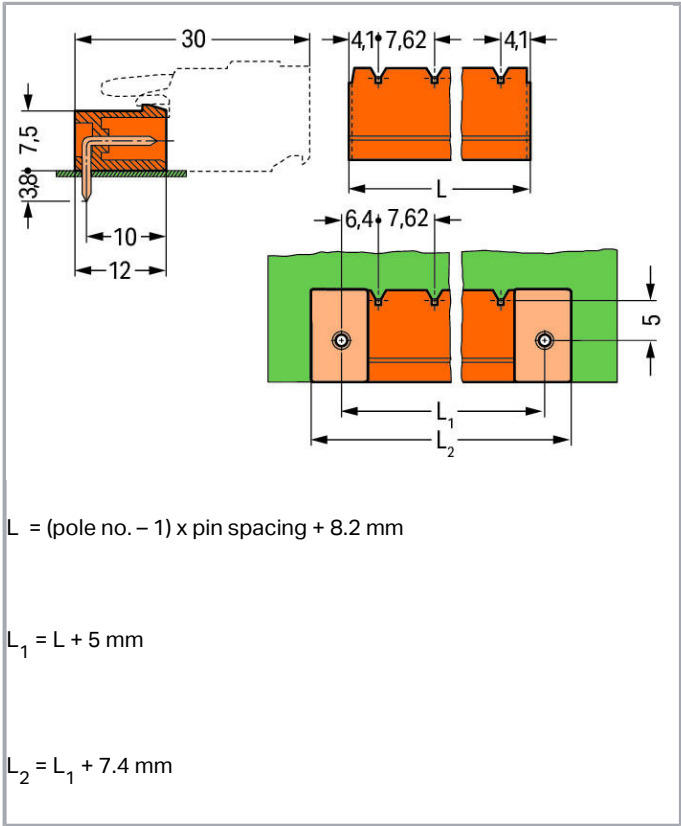




Supus modificărilor.



Descriere articol

- Horizontal or vertical PCB mounting via straight or angled solder pins
- 1.2 x 1.2 mm solder pins allow nominal current up to 16 A, enhancing stability of shorter headers
- 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) | 500 V          |

Supus modificărilor.

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building 1, 2nd floor | 077190 Voluntari, Ilfov  
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.



|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| Rated surge voltage (III/3) | 6 kV                                                              |
| Rated voltage (III/2)       | 630 V                                                             |
| Rated surge voltage (III/2) | 6 kV                                                              |
| Nominal voltage (II/2)      | 1000 V                                                            |
| Rated surge voltage (II/2)  | 6 kV                                                              |
| Rated current               | 16 A                                                              |
| Legend (ratings)            | (III / 2) $\hat{=}$ 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 1059 |

### 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.                   | 8 |
| Total number of potentials | 8 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                         |                       |
|-------------------------|-----------------------|
| Pin spacing             | 7.62 mm / 0.3 inch    |
| Width                   | 61.54 mm / 2.423 inch |
| Height                  | 12.2 mm / 0.48 inch   |
| Height from the surface | 8.4 mm / 0.331 inch   |

Supus modificărilor.

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|                                      |                          |
|--------------------------------------|--------------------------|
| Depth                                | 12 mm / 0.472 inch       |
| Solder pin length                    | 3,8 mm                   |
| Solder pin dimensions                | 1.2 x 1.2 mm             |
| Drilled hole diameter with tolerance | 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        | 0°                  |

### 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                   | 0,063 MJ                               |
| Weight                      | 3,6 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                  | 4044918932516          |
| Customs tariff number | 85366990990            |

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## Aprobări / certificate

### Country specific Approvals

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

### Ship Approvals

| Emblemă                                                                          | Aprobare                                  | Text de aprobare suplimentar | Nume certificat          |
|----------------------------------------------------------------------------------|-------------------------------------------|------------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping | -                            | 19-<br>HG1869876-<br>PDA |

### UL-Approvals

| Emblemă                                                                            | Aprobare                                    | Text de aprobare suplimentar | Nume certificat     |
|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------|---------------------|
|   | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1059                      | E45172              |
|  | <b>UR</b><br>Underwriters Laboratories Inc. | UL 1977                      | 20130906-<br>E45171 |

## Counterpart



Nr. articol 231-708/026-000

1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 7.62 mm; 8-pole; 2,50 mm<sup>2</sup>; orange

[www.wago.com/231-708/026-000](http://www.wago.com/231-708/026-000)

## Produse compatibile

### Coding



Nr. articol: 231-130

Coding key; snap-on type; light gray

[www.wago.com/231-130](http://www.wago.com/231-130)

Supus modificărilor.

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**Nr. articol: 231-500**

Spacer; for formation of groups; light gray

[www.wago.com/231-500](http://www.wago.com/231-500)**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)**Descărcări****Documentation****Additional Information**

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

**CAD/CAE-Data****CAD data**

|                              |     |            |
|------------------------------|-----|------------|
| 2D/3D Models 231-968/001-000 | URL | Descărcare |
|------------------------------|-----|------------|

**CAE data**

|                                   |     |            |
|-----------------------------------|-----|------------|
| EPLAN Data Portal 231-968/001-000 | URL | Descărcare |
|-----------------------------------|-----|------------|

**PCB Design**

|                                      |     |            |
|--------------------------------------|-----|------------|
| Symbol and Footprint 231-968/001-000 | 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

Supus modificărilor.

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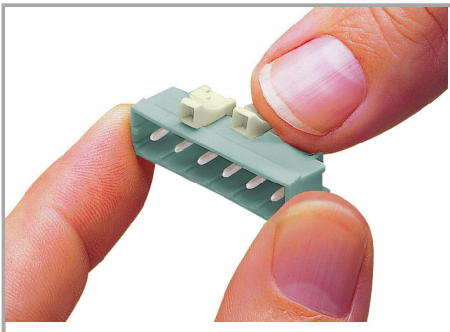
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

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## Installation Notes

### Coding



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

## Familie de produse

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

Afișare globală produse din familie.

Supus modificărilor.

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