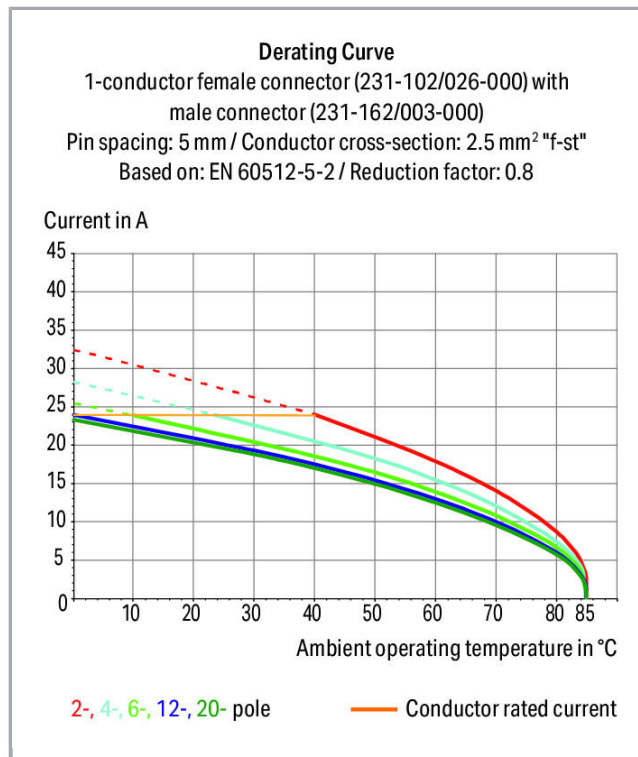


## Fișă tehnică | Număr articol: 231-166/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight;

Pin spacing 5 mm; 6-pole; gray

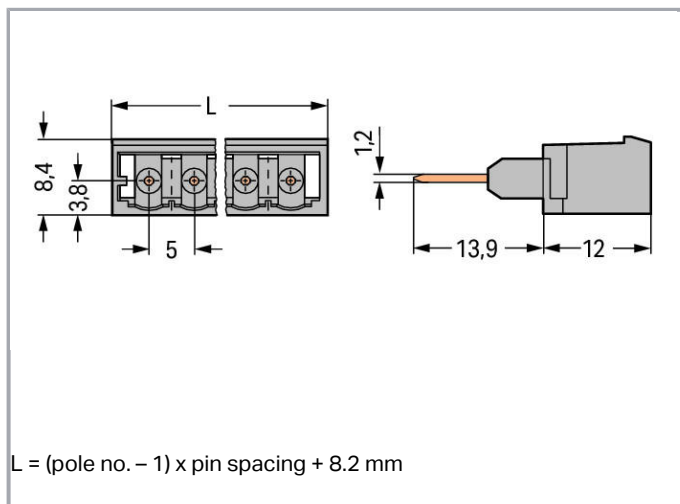
[www.wago.com/231-166/003-000](http://www.wago.com/231-166/003-000)



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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

- Pluggable connectors for rail-mount terminal blocks equipped with CAGE CLAMP® connection
- Male connectors with long contact pins connect to the termination ports of 280 Series Rail-Mount Terminal Blocks
- Pins can be touched when the connector is unplugged, so power supply should be performed via terminal block (observe rated voltage!)
- 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)     | 250 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               | 16 A  |
| Legend (ratings)            | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |

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### 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.                   | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                         |                      |
|-------------------------|----------------------|
| Pin spacing             | 5 mm / 0.197 inch    |
| Width                   | 33.2 mm / 1.307 inch |
| Height                  | 25.9 mm / 1.02 inch  |
| Height from the surface | 12 mm / 0.472 inch   |
| Depth                   | 8.4 mm / 0.331 inch  |

### Plug connection

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Contact type (pluggable connector) | Male connector/plug                   |
| Connector (connection type)        | for front-entry wiring terminal block |
| Mismating protection               | No                                    |

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## Material Data

|                             |  |
|-----------------------------|--|
| Color                       | gray                                   |
| 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                   | 0,048 MJ                               |
| Weight                      | 3,5 g                                  |

## Environmental Requirements


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

## Commercial data


|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| Packaging type        | BOX                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918905220          |
| 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         |

### Ship Approvals

| Emblemă  | Aprobare   | Text de aprobare suplimentar | Nume certificat          |
|--|--|------------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping               | -                            | 19-<br>HG1869876-<br>PDA |
|  | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE000016Z               |



Supus modificărilor.

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## UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat     |
|--|--------------------------------------|------------------------------|---------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 1059                      | 20190731-<br>E45172 |
|  | UR<br>UL International Germany GmbH  | UL 1977                      | E45171              |

## Counterpart



Nr. articol: 231-106/026-000

1-conductor female plug; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 6-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/231-106/026-000](http://www.wago.com/231-106/026-000)

## Produse compatibile

### 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)

### 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

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Technical explanations

Apr 3, 2019

pdf  
3,6 MB

Descărcare

## CAD/CAE-Data

### CAD data

2D/3D Models 231-166/003-000

URL

Descărcare

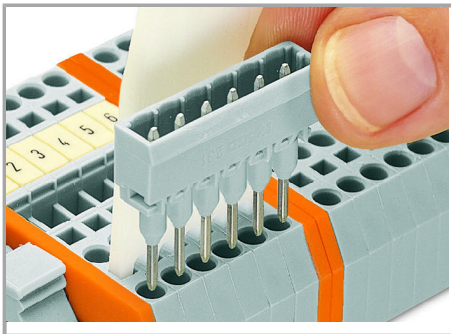
### CAE data

EPLAN Data Portal 231-166/003-000

URL

Descărcare

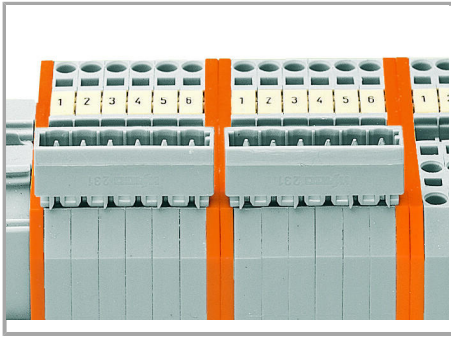
## Installation Notes



Inserting a male connector via multipole operating tool.

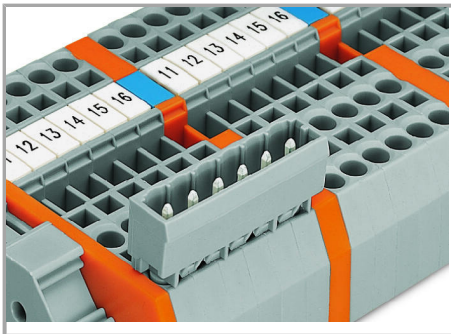
## Assembly

Supus modificărilor.



The extra width of the male connectors when used on front-entry, rail-mount terminal blocks must be compensated for by either two intermediate plates or rail-mount spacer block (block assembly).

#### Assembly



Spacer blocks can be bridged via alternate or staggered jumpers.

#### Familie de produse

<i>MCS</i> MIDI Classic

Afișare globală produse din familie.

Supus modificărilor.