

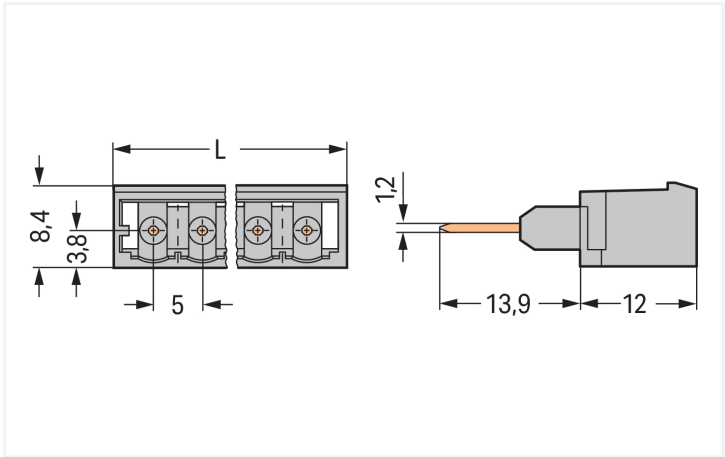
Data Sheet | Item Number: 231-162/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 2-pole; gray

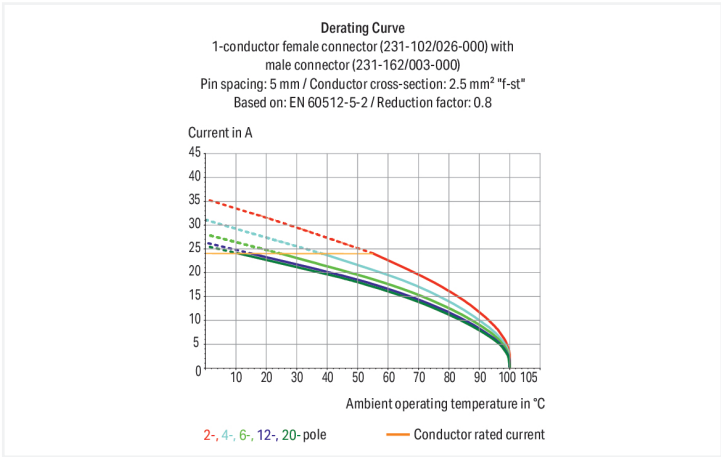
<https://www.wago.com/231-162/003-000>



Color: ■ gray



Dimensions in mm  
 $L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$



Stiftleiste Serie 231, grau

Die Stiftleiste (Artikelnummer 231-162/003-000) bietet eine ordentliche Elektroinstallation. Mit unseren Leiterplatten-Steckverbindern bekommen Sie ein ganzheitliches Steckverbindersystem, das vielseitig eingesetzt werden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. In Breite x Höhe x Tiefe sind die Maße (13,2 x 25,9 x 8,4) mm. Für die Kontaktoberfläche wurde Zinn eingesetzt. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbinder-system mit überzeugenden Lösungen für Ihre Anwendungen.

| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | 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. 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. |
| Variants:          | Other pole numbers<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                                                                                      |



| Electrical data                                   |                                                                          |                |       |       |
|---------------------------------------------------|--------------------------------------------------------------------------|----------------|-------|-------|
| Ratings per                                       |                                                                          | IEC/EN 60664-1 |       |       |
| Overvoltage category                              | III                                                                      | III            | II    |       |
| Pollution degree                                  | 3                                                                        | 2              | 2     |       |
| Nominal voltage                                   | 250 V                                                                    | 320 V          | 630 V |       |
| Rated surge voltage                               | 4 kV                                                                     | 4 kV           | 4 kV  |       |
| Rated current                                     | 16 A                                                                     | 16 A           | 16 A  |       |
| Approvals per                                     |                                                                          | UL 1059        |       |       |
| Use group                                         |                                                                          | B              | C     | D     |
| Rated voltage                                     |                                                                          | 300 V          | -     | 300 V |
| Rated current                                     |                                                                          | 15 A           | -     | 10 A  |
| Approvals per                                     |                                                                          | UL 1977        |       |       |
| Rated voltage                                     |                                                                          | 600 V          |       |       |
| Rated current                                     |                                                                          | 15 A           |       |       |
| Approvals per                                     |                                                                          | CSA            |       |       |
| Use group                                         |                                                                          | B              | C     | D     |
| Rated voltage                                     |                                                                          | 300 V          | -     | 300 V |
| Rated current                                     |                                                                          | 15 A           | -     | 10 A  |
| Connection data                                   |                                                                          |                |       |       |
| Total number of potentials                        | 2                                                                        | Connection 1   |       |       |
| Number of connection types                        | 1                                                                        | Pole number    | 2     |       |
| Number of levels                                  | 1                                                                        |                |       |       |
| Physical data                                     |                                                                          |                |       |       |
| Pin spacing                                       | 5 mm / 0.197 inches                                                      |                |       |       |
| Width                                             | 13.2 mm / 0.52 inches                                                    |                |       |       |
| Height                                            | 25.9 mm / 1.02 inches                                                    |                |       |       |
| Height from the surface                           | 12 mm / 0.472 inches                                                     |                |       |       |
| Depth                                             | 8.4 mm / 0.331 inches                                                    |                |       |       |
| Mechanical data                                   |                                                                          |                |       |       |
| Variable coding                                   | Yes                                                                      |                |       |       |
| Anti-rotation protection                          | Yes                                                                      |                |       |       |
| Plug-in connection                                |                                                                          |                |       |       |
| Contact type (pluggable connector)                | Male connector/plug                                                      |                |       |       |
| Connector (connection type)                       | for front-entry rail-mount terminal block                                |                |       |       |
| Mismating protection                              | No                                                                       |                |       |       |
| Mating direction to the rail-mount terminal block | 90 °                                                                     |                |       |       |
| Material data                                     |                                                                          |                |       |       |
| Note (material data)                              | <a href="#">Information on material specifications can be found here</a> |                |       |       |
| Color                                             | gray                                                                     |                |       |       |
| Material group                                    | I                                                                        |                |       |       |
| Insulation material (main housing)                | Polyamide (PA66)                                                         |                |       |       |
| Flammability class per UL94                       | V0                                                                       |                |       |       |
| Contact material                                  | Electrolytic copper (E <sub>cu</sub> )                                   |                |       |       |
| Contact Plating                                   | Tin                                                                      |                |       |       |
| Fire load                                         | 0.051 MJ                                                                 |                |       |       |
| Weight                                            | 1.3 g                                                                    |                |       |       |



| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +100 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 200 pcs                |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918905138          |
| Customs tariff number | 85366930000            |

| Product classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| eCl@ss 10.0            | 27-44-04-02          |
| eCl@ss 9.0             | 27-14-11-06          |
| ETIM 9.0               | EC001284             |
| ETIM 8.0               | EC001284             |
| ECCN                   | NO US CLASSIFICATION |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                                                                                                              |           |                                     | Approvals for marine applications                                                                                                                                                                                                                              |           |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------|
|     |           |                                     |    |           |                  |
| Approval                                                                                                                                                                                                                                                                                                                                       | Standard  | Certificate Name                    | Approval                                                                                                                                                                                                                                                       | Standard  | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                 | IEC 61984 | NL-113351                           | ABS<br>American Bureau of Ship-<br>ping                                                                                                                                                                                                                        | -         | 19-HG1869876-PDA |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                | C22.2     | 1466354                             | BV<br>Bureau Veritas S.A.                                                                                                                                                                                                                                      | IEC 60998 | 11915/D0 BV      |
| KEMA/KEUR<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                          | EN 61984  | 71-130478 REV.1                     | DNV<br>DNV GL SE                                                                                                                                                                                                                                               | -         | TAE000016Z       |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                                                                                                        | UL 1977   | E45171                              |                                                                                                                                                                                                                                                                |           |                  |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                                                                                                        | UL 1059   | UL-US-<br>L45172-6187117-81111991-1 |                                                                                                                                                                                                                                                                |           |                  |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance  
231-162/003-000

↓

Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models  
231-162/003-000

↓

CAE data

EPLAN Data Portal  
231-162/003-000

↓

ZUKEN Portal  
231-162/003-000

↓

PCB Design

Symbol and Footprint  
via SamacSys  
231-162/003-000

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Symbol and Footprint  
via Ultra Librarian  
231-162/003-000

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [231-102/026-000](#)  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 231-129  
Coding key; snap-on type; light gray

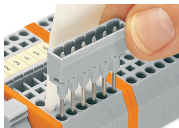
1.2.1.2 Intermediate plate



Item No.: 231-500  
Spacer; for formation of groups; light gray

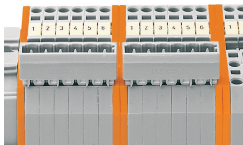
Installation Notes

Installation



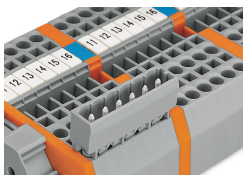
Inserting a male connector via multipole operating tool.

Installation



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).

Installation



Spacer blocks can be bridged via alternate or staggered jumpers.