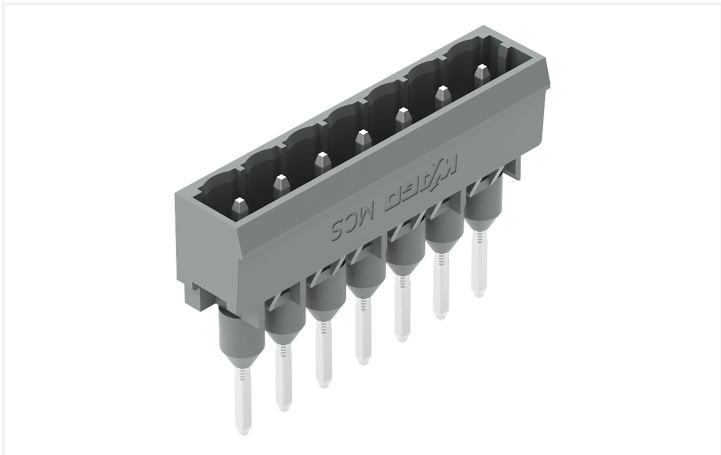


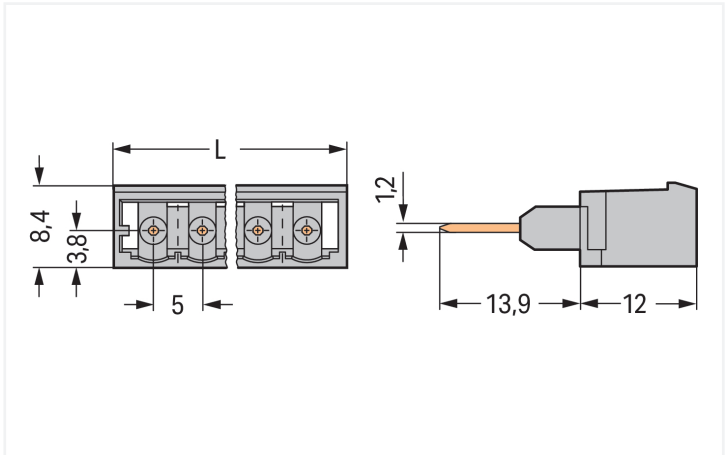
Data Sheet | Item Number: 231-167/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 7-pole; gray

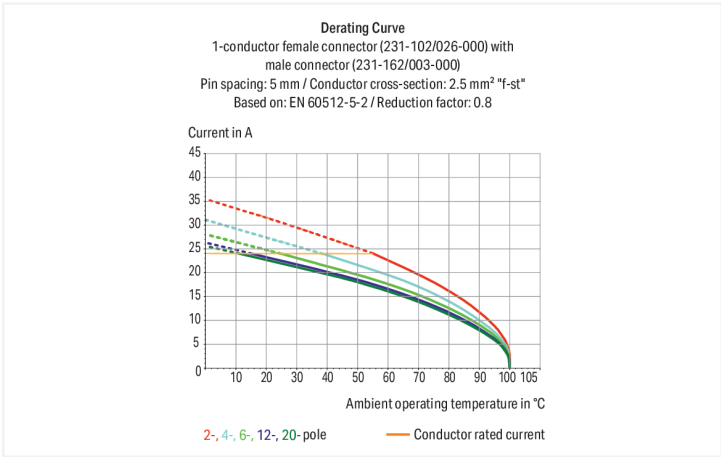
<https://www.wago.com/231-167/003-000>



Color: ■ gray



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



Stiftleiste Serie 231, grau

Die Stiftleiste mit der Artikelnummer 231-167/003-000 verspricht eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie diverse Verwendungsmöglichkeiten. Die Maße betragen in Breite x Höhe x Tiefe (38,2 x 25,9 x 8,4) mm. Für die Oberfläche der Kontakte wurde Zinn verwendet. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem 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 |       |       |       | Approvals per UL 1059 |       |   |       |
|----------------------------|-------|-------|-------|-----------------------|-------|---|-------|
| Overvoltage category       | III   | III   | II    | Use group             | B     | C | D     |
| Pollution degree           | 3     | 2     | 2     | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 250 V | 320 V | 630 V | Rated current         | 15 A  | - | 10 A  |
| Rated surge voltage        | 4 kV  | 4 kV  | 4 kV  |                       |       |   |       |
| Rated current              | 16 A  | 16 A  | 16 A  |                       |       |   |       |

| Approvals per UL 1977 |       | Approvals per CSA |       |   |       |
|-----------------------|-------|-------------------|-------|---|-------|
| Rated voltage         | 600 V | Use group         | B     | C | D     |
| Rated current         | 15 A  | Rated voltage     | 300 V | - | 300 V |
|                       |       | Rated current     | 15 A  | - | 10 A  |

Connection data

| Total number of potentials | 7 | Connection 1 |   |
|----------------------------|---|--------------|---|
| Number of connection types | 1 | Pole number  | 7 |
| Number of levels           | 1 |              |   |

Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 38.2 mm / 1.504 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                          | 0.105 MJ                                                                 |
| Weight                             | 4.1 g                                                                    |



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

| Commercial data       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4044918905244          |
| 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     | LR 18677-25                         | 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 | 231-167/003-000 |  |  |

|                        |            |                   |  |
|------------------------|------------|-------------------|--|
| Documentation          |            |                   |  |
| Additional Information |            |                   |  |
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

|              |                 |                   |                 |
|--------------|-----------------|-------------------|-----------------|
| CAD/CAE-Data |                 |                   |                 |
| CAD data     |                 | CAE data          |                 |
| 2D/3D Models | 231-167/003-000 | EPLAN Data Portal | 231-167/003-000 |
|              |                 |                   |                 |
|              |                 | ZUKEN Portal      | 231-167/003-000 |
|              |                 |                   |                 |

|                               |
|-------------------------------|
| 1 Compatible Products         |
| 1.1 System counterpart        |
| 1.1.1 Female connector/socket |



**Item No.: 231-107/026-000**  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-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

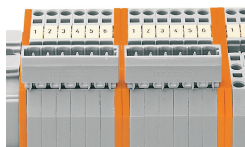
## Installation Notes

### Installation



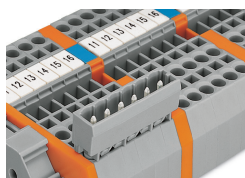
Inserting a male connector via multipole operating tool.

### 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.