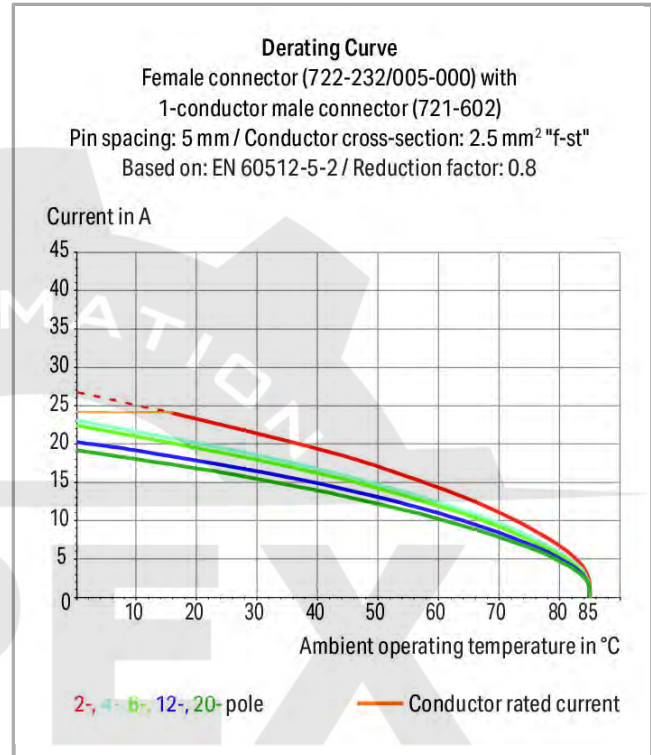
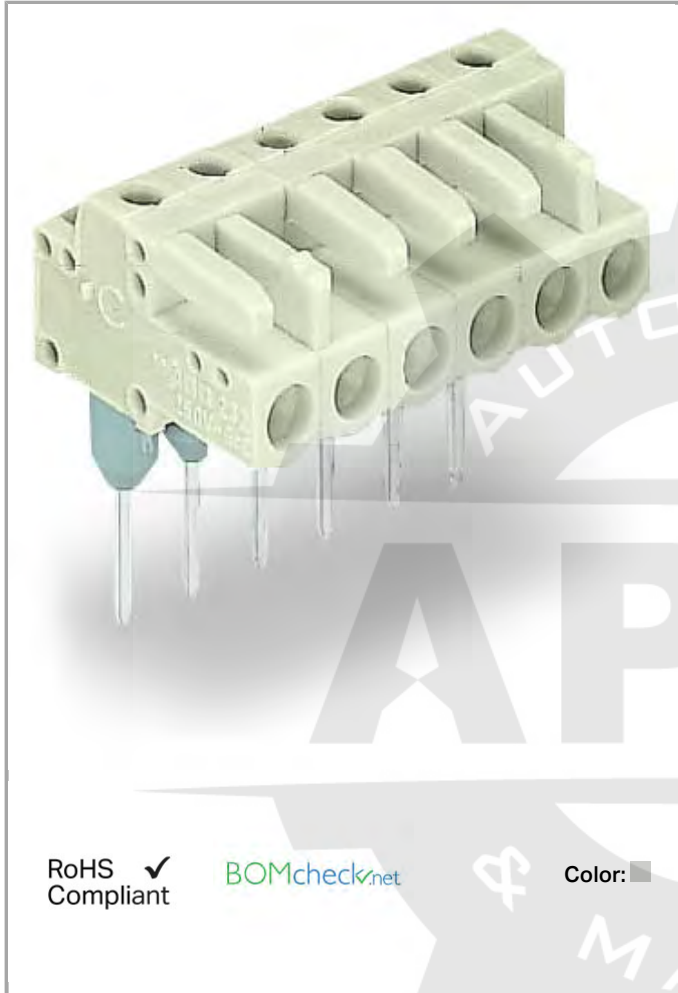


## Data sheet | Item number: 722-233/005-000

Female connector for rail-mount terminal blocks; angled; 100% protected against mismatching; Pin spacing 5 mm; 3-pole



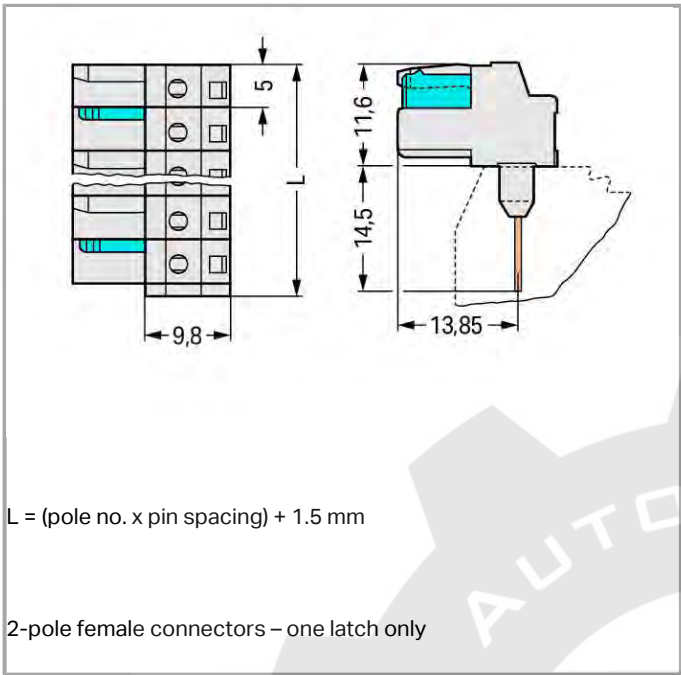
722-233/005-000



RoHS ☒ Compliant

BOMcheck.net

Color: ☐



Item description

- Pluggable connectors for rail-mount terminal blocks equipped with CAGE CLAMP® connection
- Female connectors with long contact pins connect to the termination ports of 280 Series Rail-Mount Terminal Blocks
- Female connectors are touch-proof when unmated, providing a pluggable, live output
- 100 % protected against mismating
- 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 320 V |
| Rated impulse voltage (III / 3) | 4 kV  |
| Rated voltage (III / 2)         | 320 V |
| Rated impulse voltage (III / 2) | 4 kV  |
| Rated voltage (II / 2)          | 630 V |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 12 A  |

### 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 1977

|                                                 |       |
|-------------------------------------------------|-------|
| Rated voltage per UL 1977 (factory wiring only) | 600 V |
| Rated current per UL 1977 (factory wiring only) | 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

|                            |   |
|----------------------------|---|
| No. of poles               | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Geometrical Data

|                         |                       |
|-------------------------|-----------------------|
| Pin spacing             | 5 mm / 0.197 inch     |
| Width                   | 16.5 mm / 0.65 inch   |
| Height                  | 26.1 mm / 1.028 inch  |
| Height from the surface | 11.6 mm / 0.457 inch  |
| Depth                   | 18.25 mm / 0.719 inch |

### Plug connection

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Contact type (pluggable connector) | Female connector/socket               |
| Connector connection type          | for front-entry wiring terminal block |
| Mismating protection               | Yes                                   |
| Steckrichtung zur Reihenklemme     | 0°                                    |

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | light gray           |
| Material group      | I                    |
| Insulating material | Polyamide 66 (PA 66) |

|                             |              |
|-----------------------------|--------------|
| Flammability class per UL94 | V0           |
| Contact material            | Copper alloy |
| Contact plating             | tin-plated   |
| Fire load                   | 0.057 MJ     |
| Weight                      | 3.27 g       |

## Environmental Requirements

|                         |                |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
|-------------------------|----------------|

## Commercial data

|                    |                        |
|--------------------|------------------------|
| Product Group      | 3 (Multi Conn. System) |
| Country of origin  | DE                     |
| GTIN               | 4044918570497          |
| Customs Tariff No. | 85366990990            |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|                                                                                    | CB<br>DEKRA Certification B.V.        | IEC 61984                | NL-39756         |
|  | CSA<br>DEKRA Certification B.V.       | C22.2                    | 1466354          |
|  | CSA<br>DEKRA Certification B.V.       | C22.2                    | 1466354          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                 | 2190761.01       |

### UL-Approvals

| Logo                                                                               | Approval                            | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UR<br>UL International Germany GmbH | UL 1977                  | E45171           |
|  | UR<br>UL International Germany GmbH | UL 1977                  | E45171           |

## Compatible products

### tools



Item no.: 280-433  
 Operating tool; of insulating material; 3-way

280-433

### check



Item no.: 210-136  
 Test plug; 2 mm Ø; with 500 mm cable

210-136



Item no.: 210-137  
 Test plug; 2.3 mm Ø; with 500 mm cable

210-137



Item no.: 231-661  
 Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing

231-661

### General accessories



Item no.: 280-650/056-000  
 Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type

/УББ-УУУ

280-650



Item no.: 280-654/056-000  
 Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type

/УББ-УУУ

280-654



Item no.: 280-835/056-000  
 Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type

/УББ-УУУ

280-835



Item no.: 280-902/056-000  
 Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type

/УББ-УУУ

280-902

## Downloads

### CAD/CAE - Smart Data

#### CAD data

3D Download 722-233/005-000

URL

Download

Subject to changes.