

## Data sheet | Item number: 722-136/005-000

Female connector for rail-mount terminal blocks; straight; 100% protected against mismatching; Pin spacing 5 mm; 6-pole

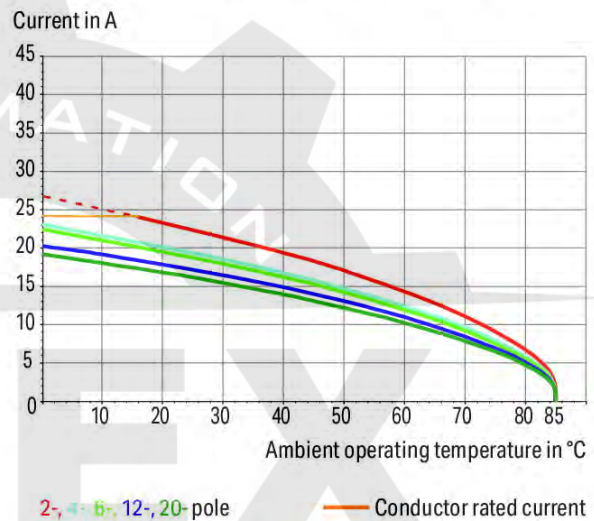


722-136/005-000



### Derating Curve

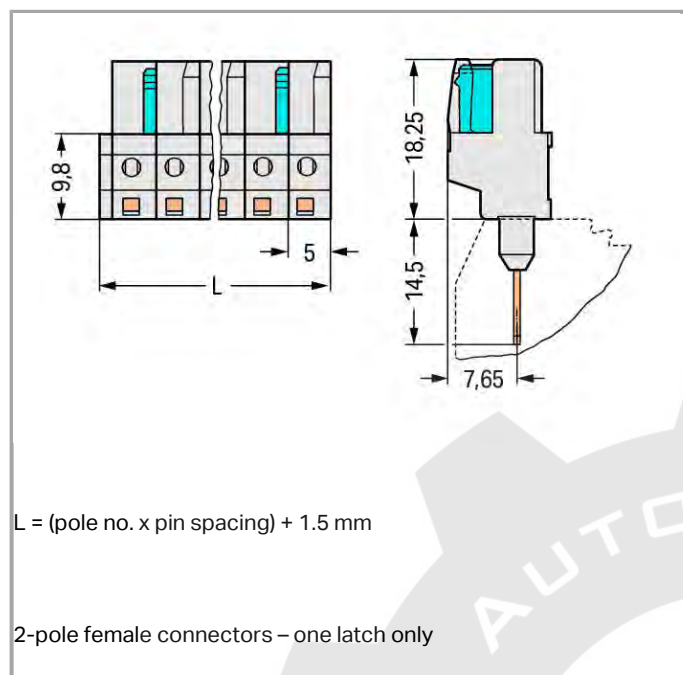
Female connector (722-232/005-000) with  
1-conductor male connector (721-602)  
Pin spacing: 5 mm / Conductor cross-section: 2.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8



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               | 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                   | 31.5 mm / 1.24 inch   |
| Height                  | 32.75 mm / 1.289 inch |
| Height from the surface | 18.25 mm / 0.719 inch |
| Depth                   | 11.6 mm / 0.457 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     | 90°                                   |

## 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                   | 0.109 MJ     |
| Weight                      | 6.37 g       |

## Environmental Requirements

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

## Commercial data

|                    |                        |
|--------------------|------------------------|
| Product Group      | 3 (Multi Conn. System) |
| Country of origin  | DE                     |
| GTIN               | 4044918570367          |
| 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

### General accessories

|                                                                                  |                                                                                                                            |          |         |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------|---------|
|  | <b>Item no.: 280-650/056-000</b><br>Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type    | /056-000 | 280-650 |
|  | <b>Item no.: 280-654/056-000</b><br>Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type | /056-000 | 280-654 |
|  | <b>Item no.: 280-835/056-000</b><br>Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type    | /056-000 | 280-835 |
|  | <b>Item no.: 280-902/056-000</b><br>Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type    | /056-000 | 280-902 |

### check

|                                                                                    |                                                                                                |  |         |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|---------|
|   | <b>Item no.: 210-136</b><br>Test plug; 2 mm Ø; with 500 mm cable                               |  | 210-136 |
|  | <b>Item no.: 210-137</b><br>Test plug; 2.3 mm Ø; with 500 mm cable                             |  | 210-137 |
|  | <b>Item no.: 231-661</b><br>Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing |  | 231-661 |

### Downloads

#### CAD/CAE - Smart Data

#### CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 722-136/005-000 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.