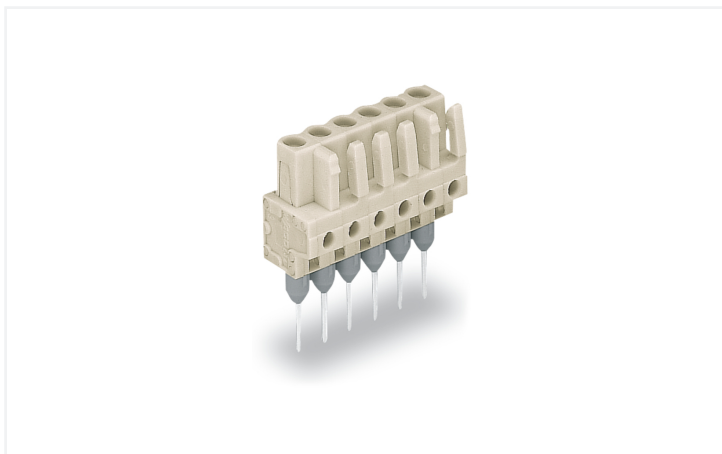


## Data Sheet | Item Number: 722-146/005-000

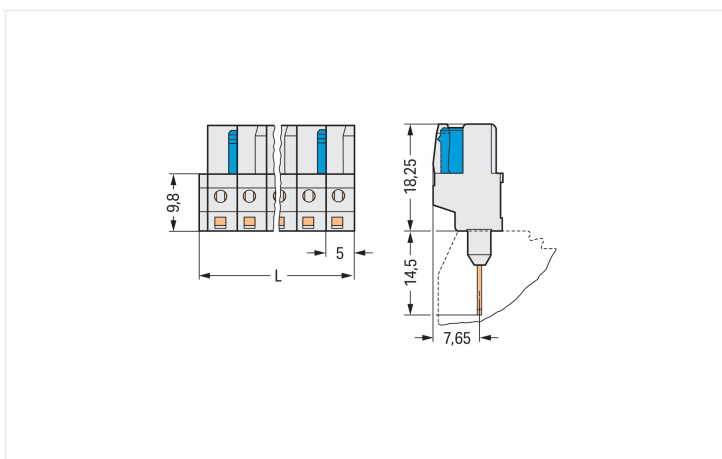
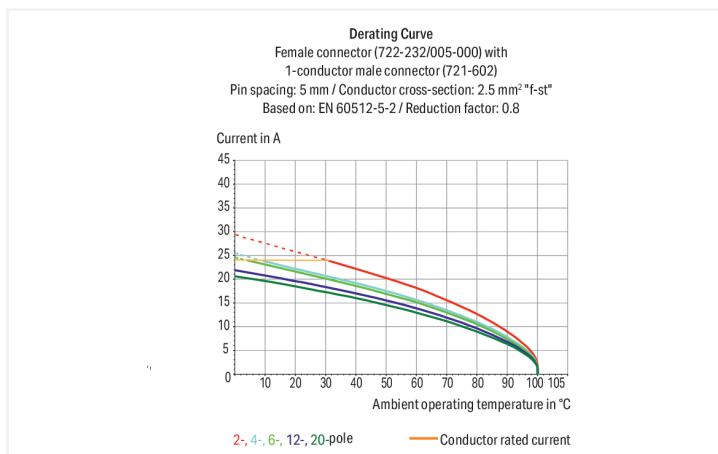
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray

<https://www.wago.com/722-146/005-000>



Color: ■ light gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) + 1.5 mm 2-pole female connectors – one latch only

Female connector, 722 Series, with 5 mm pin spacing

Enjoy error-free electrical installations with this female connector (item number 722-146/005-000). The dimensions are (81.5 x 32.75 x 11.6) mm (width x height x depth).

Tin is used for coating the contact surfaces.

## 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

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

| Ratings per                     | IEC/EN 60664-1 |       |       |
|---------------------------------|----------------|-------|-------|
| Overvoltage category            | III            | III   | II    |
| Pollution degree                | 3              | 2     | 2     |
| Nominal voltage                 | 320 V          | 320 V | 630 V |
| Rated impulse withstand voltage | 4 kV           | 4 kV  | 4 kV  |
| Rated current                   | 12 A           | 12 A  | 12 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

|                            |    |
|----------------------------|----|
| Clamping units             | 16 |
| Total number of potentials | 16 |
| Number of connection types | 1  |
| Number of levels           | 1  |

| Connection 1 |    |
|--------------|----|
| Pole number  | 16 |

## Physical data

|                         |                         |
|-------------------------|-------------------------|
| Pin spacing             | 5 mm / 0.197 inches     |
| Width                   | 81.5 mm / 3.209 inches  |
| Height                  | 32.75 mm / 1.289 inches |
| Height from the surface | 18.25 mm / 0.719 inches |
| Depth                   | 11.6 mm / 0.457 inches  |

## Mechanical data

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

## Plug-in connection

|   |   |
|---|---|
| Contact type (pluggable connector)                | Female connector/socket                   |
| Connector (connection type)                       | for front-entry rail-mount terminal block |
| Mismatching protection                            | Yes                                       |
| 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                              | light gray   |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Contact material                   | Copper alloy   |
| Contact Plating                    | Tin  |
| Fire load                          | 0.282 MJ   |
| Weight                             | 16.6 g   |

### Environmental requirements

|                         |                |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
| Processing temperature  | -35 ... +60 °C |

### Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| PU (SPU)              | 25 pcs                 |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918570428          |
| Customs tariff number | 85366990990            |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121409             |
| eCl@ss 10.0 | 27-14-11-06          |
| eCl@ss 9.0  | 27-14-11-06          |
| ETIM 9.0    | EC001284             |
| ETIM 10.0   | EC001284             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals



| Approval                              | Standard  | Certificate Name |
|---------------------------------------|-----------|------------------|
| CB<br>DEKRA Certification B.V.        | IEC 61984 | NL-113351        |
| CSA<br>DEKRA Certification B.V.       | C22.2     | 1466354          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984  | 71-130478 REV.1  |
| UL<br>Underwriters Laboratories Inc.  | UL 1059   | E45172           |
| UR<br>Underwriters Laboratories Inc.  | UL 1977   | E45171           |

#### Approvals for marine applications



| Approval                           | Standard  | Certificate Name |
|------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Shipping | -         | 24-0095975-PDA   |
| BV<br>Bureau Veritas S.A.          | IEC 60998 | 11915/E0 BV      |
| DNV<br>DNV GL SE                   | -         | TAE000016Z       |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance  
722-146/005-000



## Documentation

### Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB



## CAD/CAE-Data

### CAD data

2D/3D Models  
722-146/005-000



### CAE data

EPLAN Data Portal  
722-146/005-000



ZUKEN Portal  
722-146/005-000



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Male connector/plug



##### Item No.: [721-616](#)

1-conductor male connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 2,50 mm<sup>2</sup>; light gray

### 1.2 Optional Accessories

#### 1.2.1 Installation

##### 1.2.1.1 Empty housings



##### Item No.: [280-902/056-000](#)

Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type; orange



##### Item No.: [280-654/056-000](#)

Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange



##### Item No.: [280-650/056-000](#)

Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange



##### Item No.: [280-835/056-000](#)

Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type; orange

## 1.2.2 Test and measurement

### 1.2.2.1 Testing accessories



**Item No.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

**Item No.: 231-661**

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm<sup>2</sup>; light gray