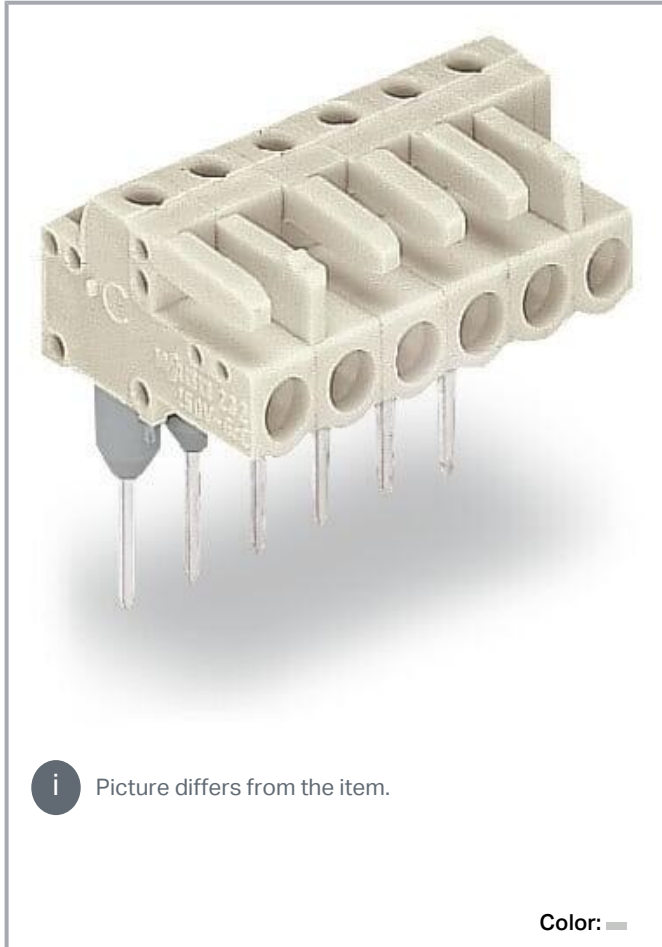


## Data sheet | Item number: 722-250/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled;  
100% protected against mismating; Pin spacing 5 mm; 20-pole; light gray

[www.wago.com/722-250/005-000](http://www.wago.com/722-250/005-000)



Picture differs from the item.

Color:

### Derating Curve

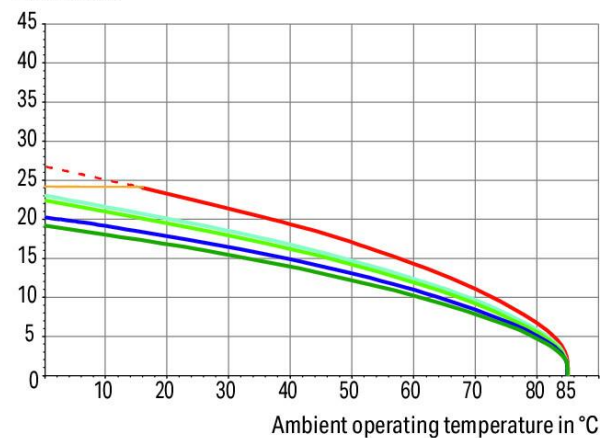
Female connector (722-232/005-000) with

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

Current in A



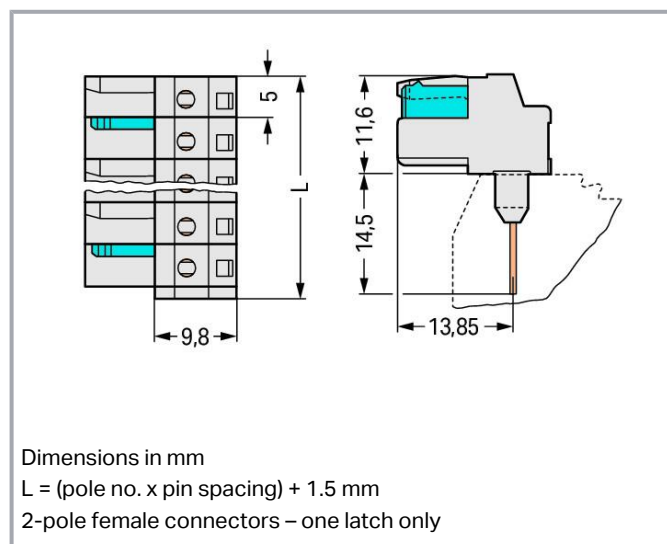
2-, 4-, 6-, 12-, 20-pole

Conductor rated current

Subject to changes. Please also observe the further product documentation!

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## 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 mismatching
- With coding fingers

## Data

### 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

Subject to changes. Please also observe the further product documentation!

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## Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1                                                       |
|-------------------------------|----------------------------------------------------------------------|
| Nominal 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                                                                 |
| Nominal voltage (II/2)        | 630 V                                                                |
| Rated surge voltage (II/2)    | 4 kV                                                                 |
| Rated current                 | 12 A                                                                 |
| Legend (ratings)              | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

## Ratings per UL

| 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    |

## Ratings per UL 1977

|                         |       |
|-------------------------|-------|
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977   | 15 A  |

## Ratings per CSA

| 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

|                            |    |
|----------------------------|----|
| Total number of potentials | 20 |
| Number of connection types | 1  |
| Number of levels           | 1  |

Subject to changes. Please also observe the further product documentation!



## Connection 1

|             |    |
|-------------|----|
| Pole number | 20 |
|-------------|----|

## Physical data

|                         |                         |
|-------------------------|-------------------------|
| Pin spacing             | 5 mm / 0.197 inches     |
| Width                   | 101.5 mm / 3.996 inches |
| Height                  | 26.1 mm / 1.028 inches  |
| Height from the surface | 11.6 mm / 0.457 inches  |
| Depth                   | 18.25 mm / 0.719 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 |
| Mismating protection                              | Yes                                       |
| Plugging without loss of pin spacing              | No                                        |
| Locking of plug-in connection                     | none                                      |
| Mating direction to the rail-mount terminal block | 0 °                                       |

## Material data

|                             |                                                          |
|-----------------------------|----------------------------------------------------------|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | light gray                                               |
| Material group              | I                                                        |
| Insulation material         | Polyamide (PA66)                                         |
| Flammability class per UL94 | V0                                                       |
| Contact material            | Copper alloy                                             |
| Contact plating             | Tin                                                      |
| Fire load                   | 0.546 MJ                                                 |
| Weight                      | 20.7 g                                                   |

Subject to changes. Please also observe the further product documentation!

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## Environmental requirements

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

## Commercial data

|                       |                        |
|-----------------------|------------------------|
| Product Group         | 3 (Multi Conn. System) |
| eCl@ss 10.0           | 27-14-11-06            |
| eCl@ss 9.0            | 27-14-11-06            |
| ETIM 8.0              | EC001284               |
| ETIM 7.0              | EC001284               |
| PU (SPU)              | 10 pcs                 |
| Packaging type        | box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918570589          |
| Customs tariff number | 85366990990            |

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|                                                                                    | CB<br>DEKRA Certification B.V.        | IEC 61984                | NL-39756 /A1     |
|  | CSA<br>DEKRA Certification B.V.       | C22.2                    | 1466354          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                 | 71-121453        |
|  | UR<br>Underwriters Laboratories Inc.  | UL 1977                  | E45171           |

### Approvals for marine applications

Subject to changes. Please also observe the further product documentation!

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| Logo                                                                             | Approval                                  | Additional Approval Text | Certificate name         |
|----------------------------------------------------------------------------------|-------------------------------------------|--------------------------|--------------------------|
|  | <b>ABS</b><br>American Bureau of Shipping | -                        | 19-<br>HG1869876-<br>PDA |
|  | <b>DNV</b><br>DNV GL SE                   | -                        | TAE000016Z               |

## Counterpart



### Item no. 721-620

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 20-pole; 100% protected against mismatching; 2,50 mm²; light gray

[www.wago.com/721-620](http://www.wago.com/721-620)

## Optional accessories

### Tool

#### Operating tool



### Item no.: 280-440

Operating tool; made of insulating material; 10-way

[www.wago.com/280-440](http://www.wago.com/280-440)

### Testing and measuring

#### Testing accessories



### Item no.: 210-136

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

[www.wago.com/210-136](http://www.wago.com/210-136)



### Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

[www.wago.com/231-661](http://www.wago.com/231-661)

### Mounting

#### Empty housings



### Item no.: 280-835/056-000

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

[www.wago.com/280-835/056-000](http://www.wago.com/280-835/056-000)



### Item no.: 280-902/056-000

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

[www.wago.com/280-902/056-000](http://www.wago.com/280-902/056-000)

Subject to changes. Please also observe the further product documentation!

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|                                                                                  |                                                                                                                                    |                                                                                |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.: 280-650/056-000</b><br>Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange    | <a href="http://www.wago.com/280-650/056-000">www.wago.com/280-650/056-000</a> |
|  | <b>Item no.: 280-654/056-000</b><br>Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange | <a href="http://www.wago.com/280-654/056-000">www.wago.com/280-654/056-000</a> |

Downloads  
Documentation

|                        |            |               |          |
|------------------------|------------|---------------|----------|
| Additional Information | 2019 Apr 3 | pdf<br>2.1 MB | Download |
|------------------------|------------|---------------|----------|

CAD/CAE-Data

CAE data

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 722-250/005-000 | URL | Download |
| ZUKEN Portal 722-250/005-000      | URL | Download |
| EPLAN Data Portal 722-250/005-000 | URL | Download |

CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 722-250/005-000 | URL | Download |
|------------------------------|-----|----------|

Asset Administration Shell

|                                            |     |          |
|--------------------------------------------|-----|----------|
| Asset Administration Shell 722-250/005-000 | URL | Download |
|--------------------------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

|                                                                                                                                                     |     |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 722-250/005-000                                                                                                    | URL | Download |
| Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 20-pole; light gray |     |          |

Subject to changes. Please also observe the further product documentation!



## Installation Notes

## Product family

MCS MIDI

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!

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