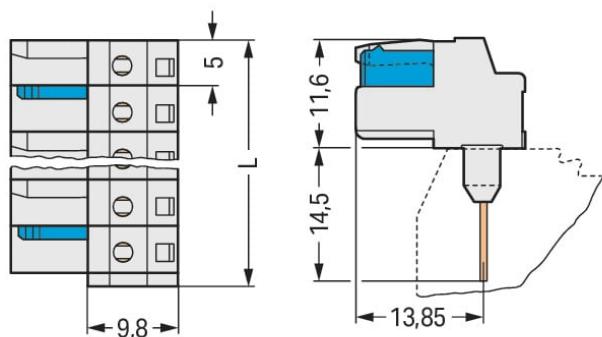


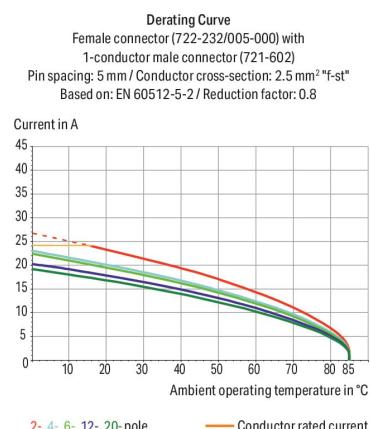
Color: light gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$   
 2-pole female connectors – one latch only



- 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

## 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 surge 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
Rated voltage	300 V	-
Rated current	15 A	-
		10 A

## Connection data

Connection points	20
Total number of potentials	20
Number of connection types	1
Number of levels	1

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
Mating direction to the rail-mount terminal block	0 °

## Material data

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Contact material	Copper alloy
Contact plating	Tin
Fire load	0.546 MJ
Weight	20.7 g

**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
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**Approvals / Certificates****General approvals**

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UR Underwriters Laboratories Inc.	UL 1977	E45171

**Approvals for marine applications**

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	19-HG1869876-PDA
DNV DNV GL SE	-	TAE000016Z

**Downloads****Environmental Product Compliance****Compliance Search**

Environmental Product  
Compliance  
722-250/005-000



## Documentation

### Additional Information

Technical Section

03.04.2019

pdf

2010.85 KB



## CAD/CAE-Data

### CAD data

2D/3D Models  
722-250/005-000

### CAE data

EPLAN Data Portal  
722-250/005-000ZUKEN Portal  
722-250/005-000

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Male connector/plug

**Item No.: 721-620**1-conductor male connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 20-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

1.2.3 Tool

1.2.3.1 Operating tool



[Item No.: 280-440](#)

Operating tool; made of insulating material; 10-way