

# RC-12P1N122200 - Device connector front mounting



1596900

<https://www.phoenixcontact.com/us/products/1596900>

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M23, Device connector front mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Flat gasket, 4x Ø 2.7 mm, flange dimensions: 25 mm x 25 mm, Panel thickness min.: 1 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240752

## Commercial data

Item number	1596900
Packing unit	40 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFL
GTIN	4046356213233
Weight per piece (including packing)	33.04 g
Weight per piece (excluding packing)	33.04 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
Data management status	
Article revision	04

### Connector

#### Insulating body

Coding	N
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Contact diameter <b>Power contacts</b>	1 mm
Litz wire cross-section <b>Power contacts</b> min.	0.08 mm <sup>2</sup>
Litz wire cross-section <b>Power contacts</b> max.	1 mm <sup>2</sup>
Rated current <b>Power contacts</b>	8 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overshoot category	III
Degree of pollution	3

#### Housing

Housing material	Metal
Flange dimensions	25 mm x 25 mm
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

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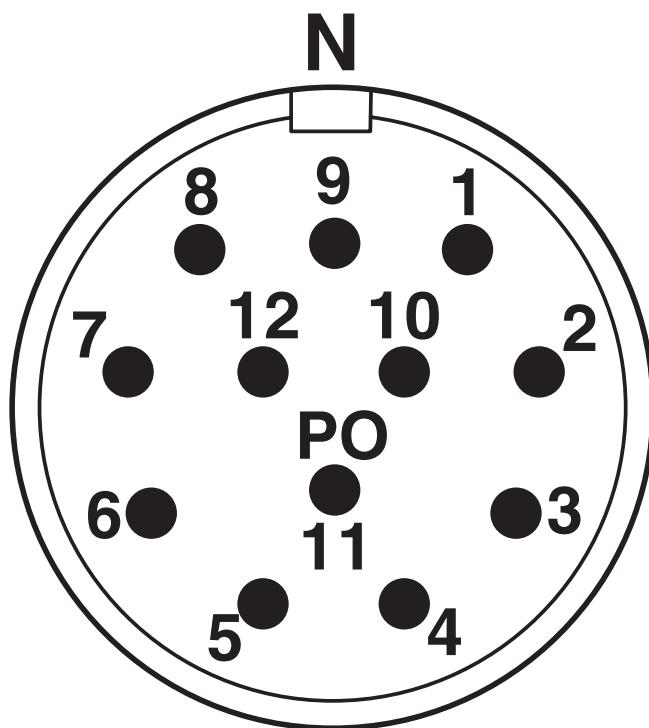
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## Drawings

Schematic diagram



Connector pin assignment

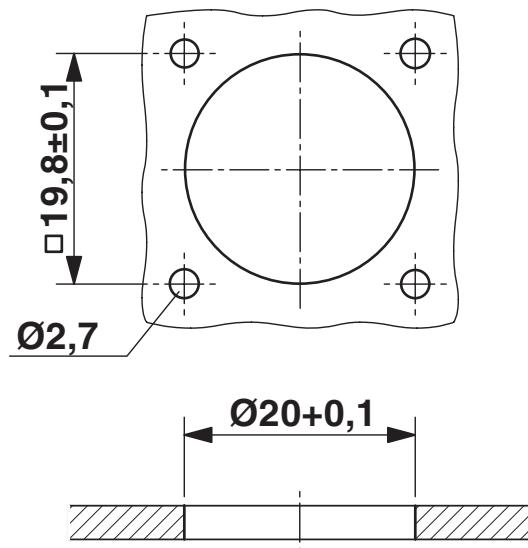
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Dimensional drawing



Installation dimensions

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	daafdac-e88e2-4191-a69d-3b6b82042e37

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