

# RC-12S1N124100 - Device connector front mounting



1598534

<https://www.phoenixcontact.com/us/products/1598534>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Device connector front mounting, series: RC, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, Panel thickness min.: 2.7 mm, Panel thickness max.: 3.5 mm, coding: N, this item is expected to be lead-free from Q4 2025 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Commercial data

Item number	1598534
Packing unit	40 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFL
GTIN	4046356221184
Weight per piece (including packing)	32.85 g
Weight per piece (excluding packing)	30.941 g
Customs tariff number	85366990
Country of origin	DE

# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



## Technical data

### Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

### Material specifications

Flammability rating according to UL 94	V0
----------------------------------------	----

### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number Contact (Contact group 1)	12
Diameter Contact (Contact group 1)	1 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm <sup>2</sup>
Litz wire cross-section max. Contact (Contact group 1)	1 mm <sup>2</sup>
Rated current Contact (Contact group 1)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overshoot category	III
Degree of pollution	3

#### Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Rear mounting/square flange (4x M3)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



## Environmental and real-life conditions

Ambient conditions

Degree of protection

IP67

# RC-12S1N124100 - Device connector front mounting

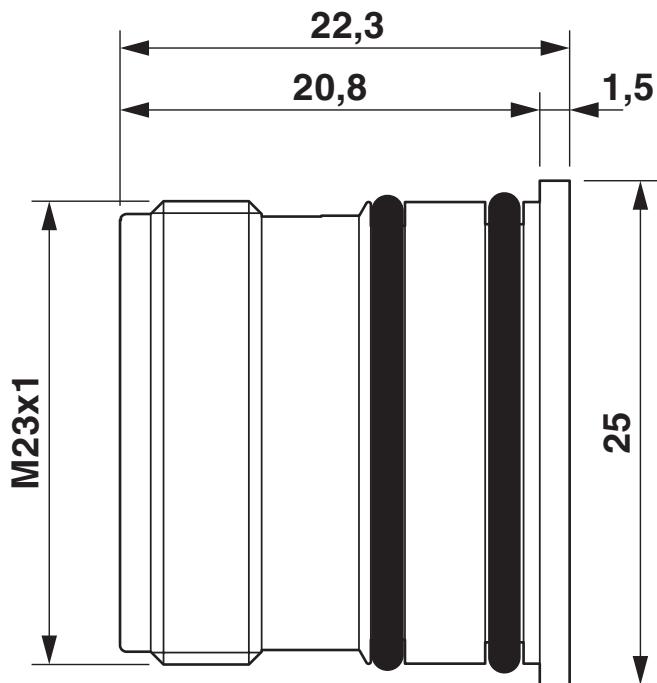


1598534

<https://www.phoenixcontact.com/us/products/1598534>

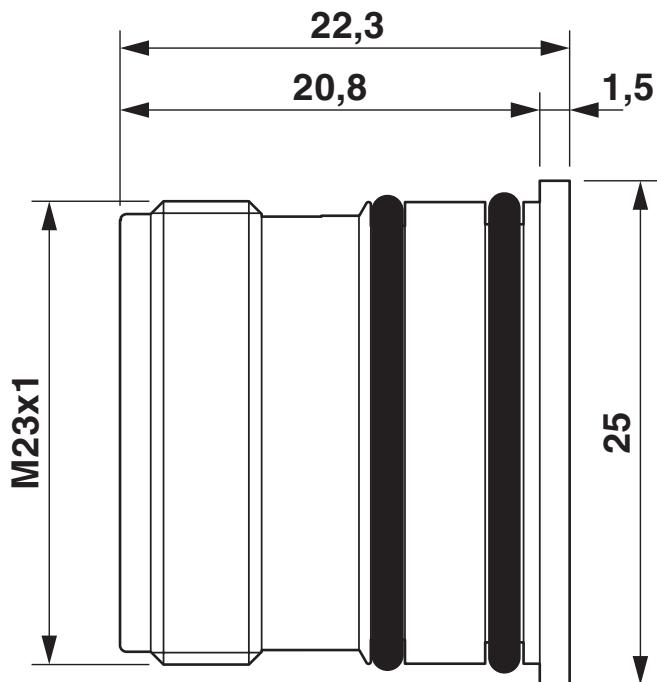
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Dimensional drawing

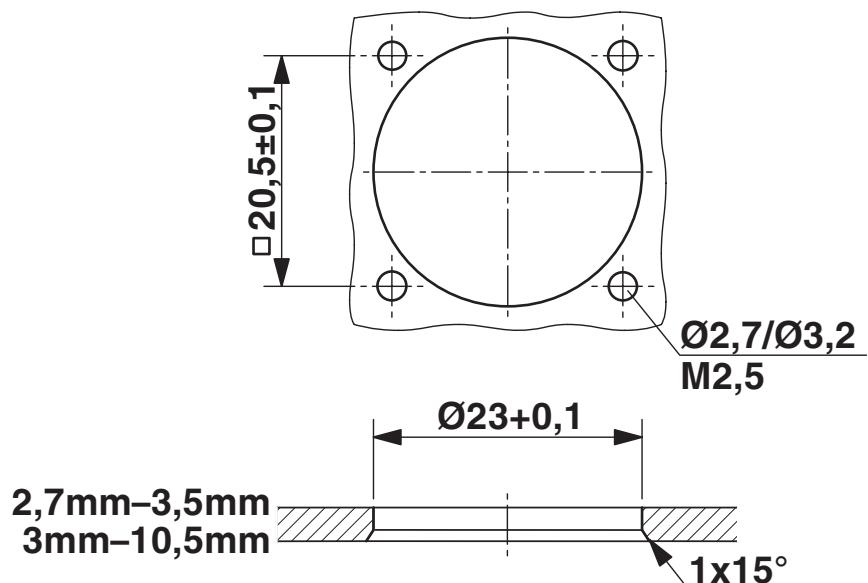
# RC-12S1N124100 - Device connector front mounting



1598534

<https://www.phoenixcontact.com/us/products/1598534>

Dimensional drawing



Installation dimensions

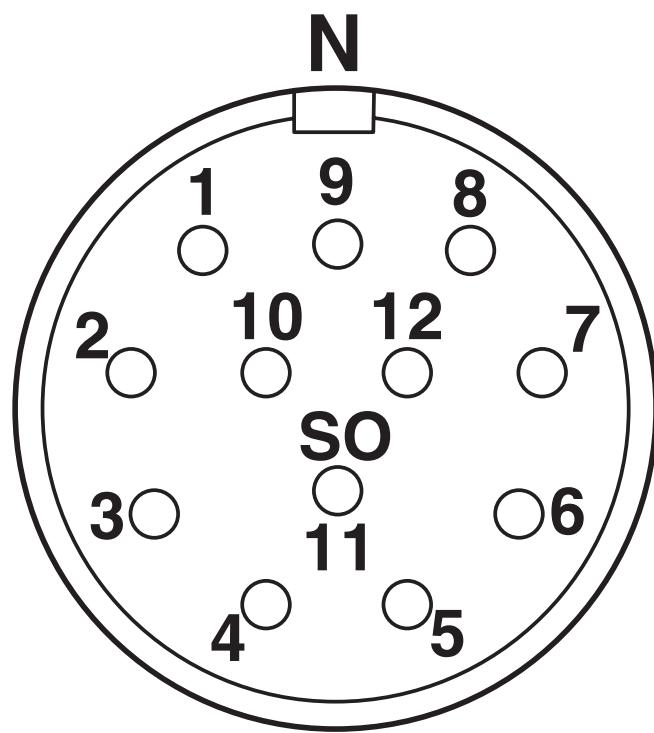
## RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>

**PHÖNIX CONTACT**

## Schematic diagram



## Connector pin assignment

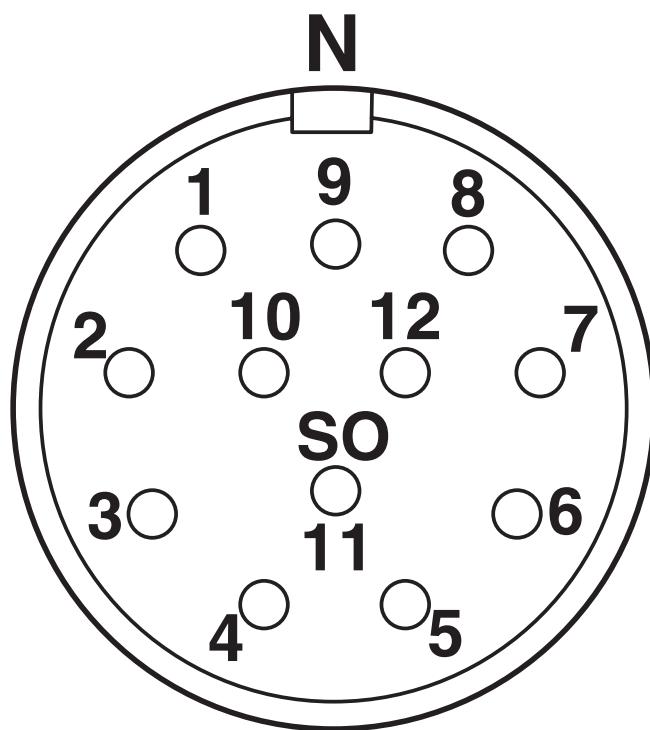
# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



Schematic diagram



Connector pin assignment

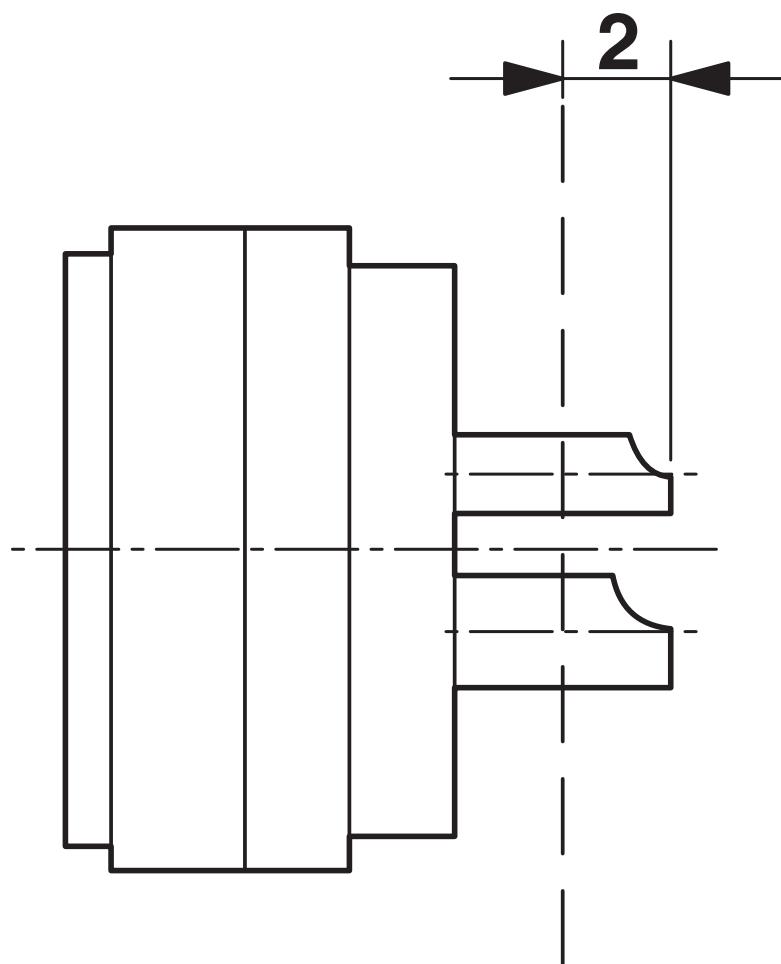
# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



Schematic diagram



Dimensional drawing

# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 9.0	EC003569
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# RC-12S1N124100 - Device connector front mounting

1598534

<https://www.phoenixcontact.com/us/products/1598534>



## 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	1eb15978-c7be-440a-bb81-c86240d39e4f

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

### Phoenix Contact USA

586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)