

1596443  
<https://www.phoenixcontact.com/us/products/1596443>

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 rear mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Radial O-ring, Panel thickness min.: 3 mm, Panel thickness max.: 10.5 mm, coding: N

Commercial data

Item number	1596443
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356211314
Weight per piece (including packing)	40.93 g
Weight per piece (excluding packing)	40.93 g
Country of origin	DE

# RC-09S1NC2E000 - Device connector rear mounting



1596443

<https://www.phoenixcontact.com/us/products/1596443>

## Technical data

### Product properties

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

### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder-in connection
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number Contact (Contact group 1)	1
Diameter Contact (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Number Contact (Contact group 2)	8
Diameter Contact (Contact group 2)	1 mm
Rated current Contact (Contact group 2)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

#### 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)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67

# RC-09S1NC2E000 - Device connector rear mounting

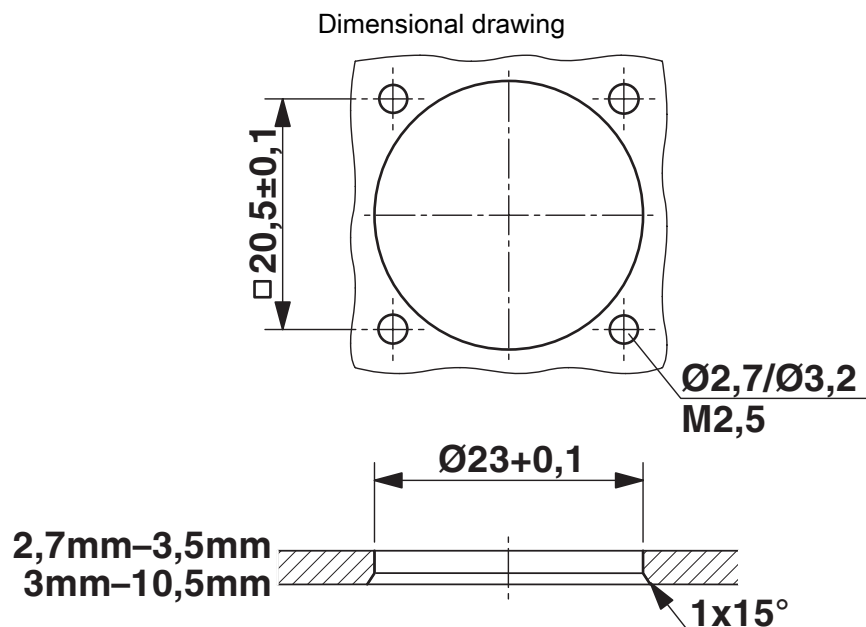


1596443

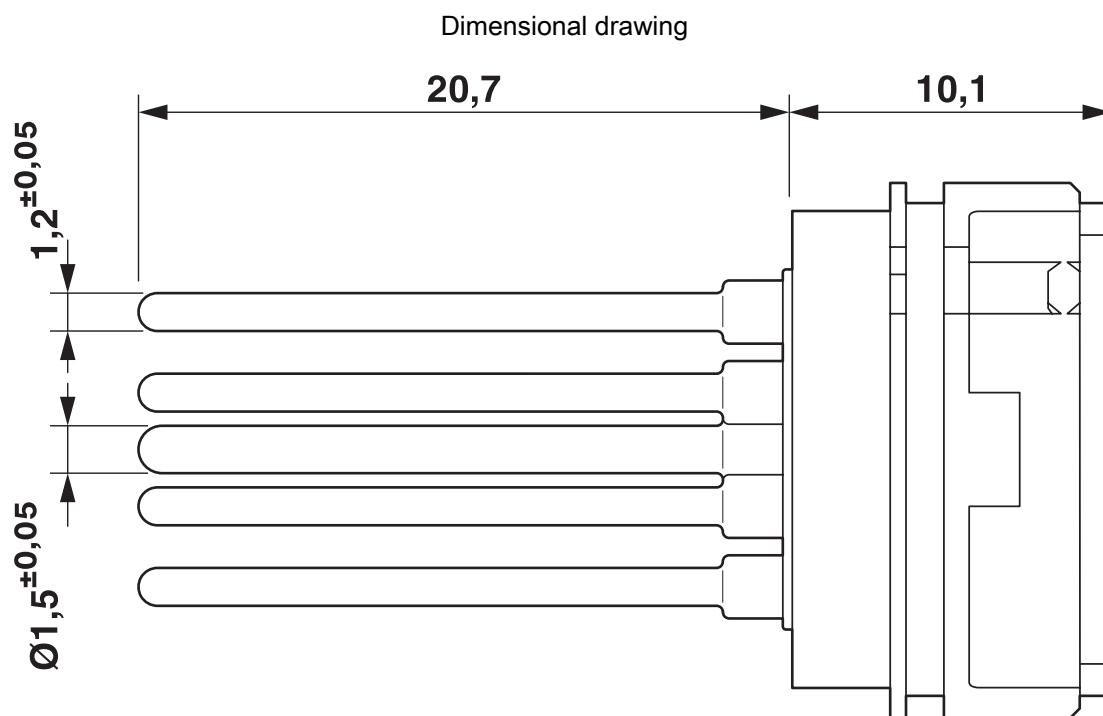
<https://www.phoenixcontact.com/us/products/1596443>

Seal for the device	Radial O-ring
---------------------	---------------

## Drawings



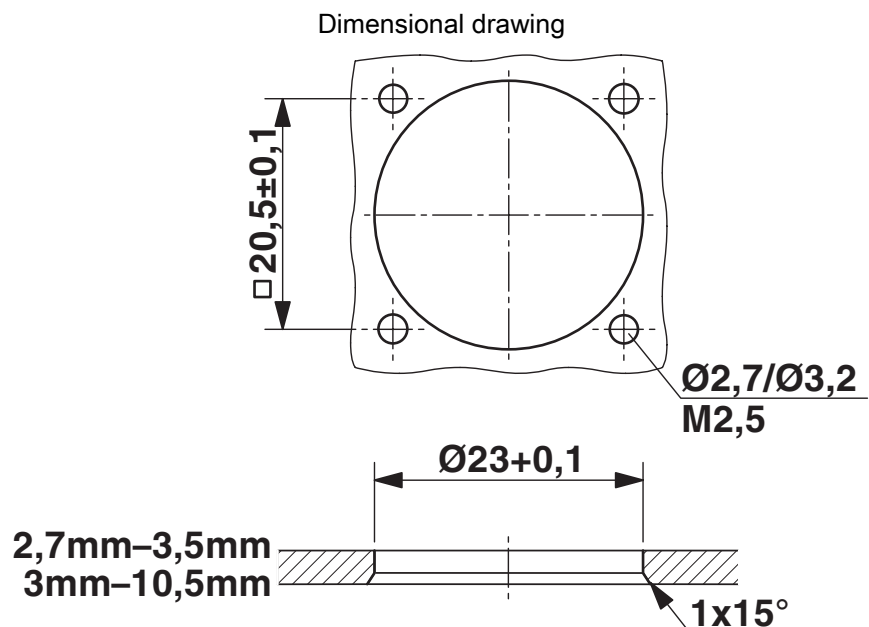
## Installation dimensions



## Dimensional drawing

1596443

<https://www.phoenixcontact.com/us/products/1596443>

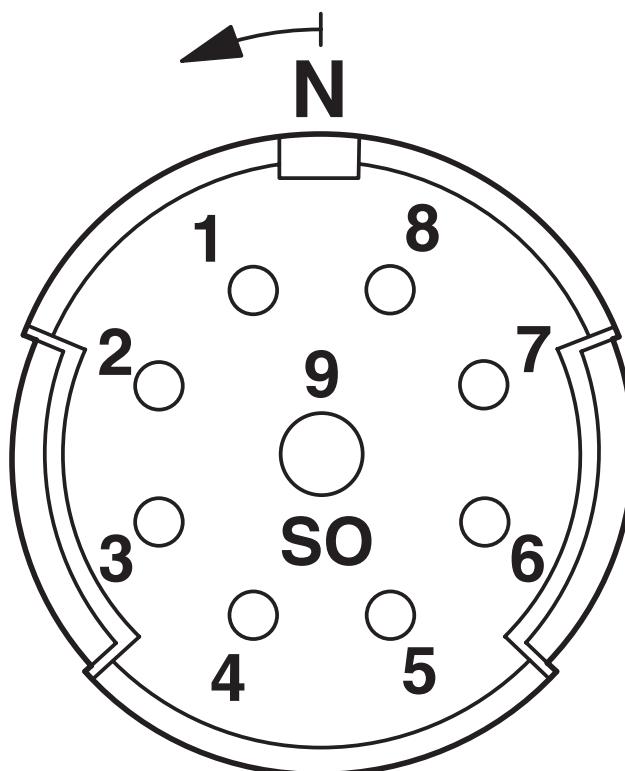


Installation dimensions

1596443

<https://www.phoenixcontact.com/us/products/1596443>

Schematic diagram

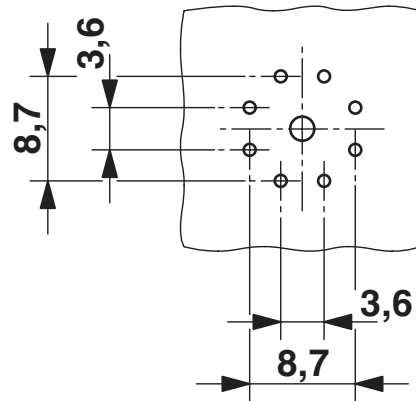


Connector pin assignment

1596443

<https://www.phoenixcontact.com/us/products/1596443>

## Drilling plan/solder pad geometry



1596443  
<https://www.phoenixcontact.com/us/products/1596443>

Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-50</div> <div>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.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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)