

# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

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.



The figure shows the 12-pos.  
product version

M23, Device connector rear mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Axial O-ring, Panel thickness min.: 0.8 mm, Panel thickness max.: 6.5 mm, coding: N

## Commercial data

Item number	1595179
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356205504
Weight per piece (including packing)	61.95 g
Weight per piece (excluding packing)	61.95 g
Country of origin	DE

# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

## Technical data

### Product properties

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

### Material specifications

Housing material	Metal
------------------	-------

### 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	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	2.5 mm <sup>2</sup>
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 group 2)	8
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

#### Housing

Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism

# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

Pg screw connection	none
Mounting type	Rear mounting (M25 x 1,5)
Assembly note	Central fastening
Housing material	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

## Drawings

Schematic diagram



Connector pin assignment

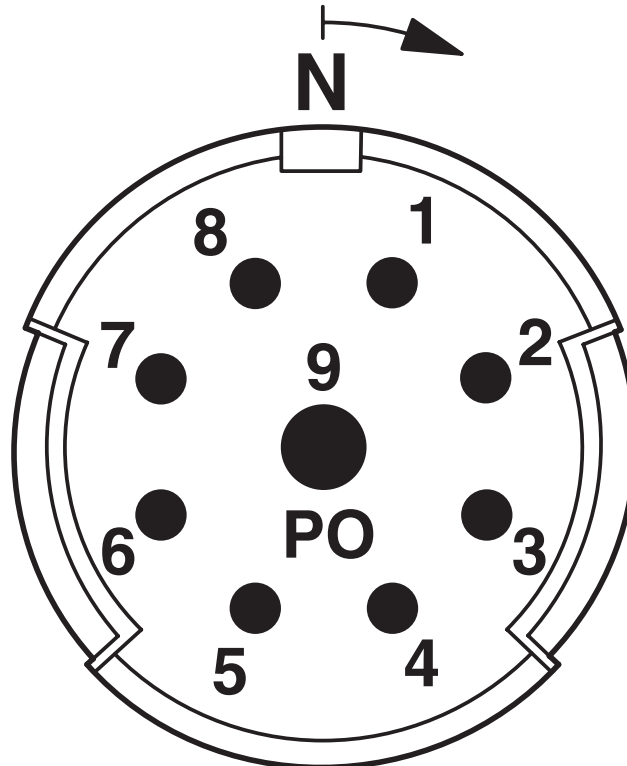
# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

Schematic diagram



Connector pin assignment

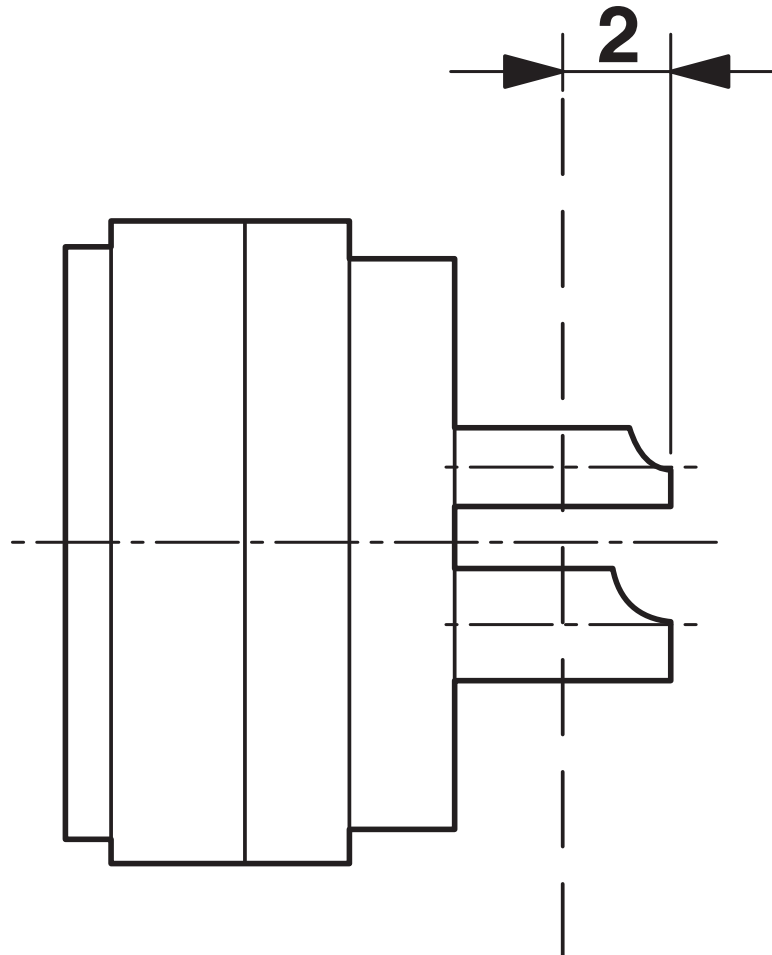
# RC-09P1N12H100 - Device connector rear mounting



1595179

<https://www.phoenixcontact.com/us/products/1595179>

Schematic diagram



Dimensional drawing

Phoenix Contact 2026 © - 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)