

RC-12P1N126300 - Device connector front mounting



1596934

<https://www.phoenixcontact.com/us/products/1596934>

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, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Axial O-ring, Panel thickness min.: 1 mm, Panel thickness max.: 4.5 mm, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Commercial data

Item number	1596934
Packing unit	40 pc
Minimum order quantity	1 pc
Product key	ABRAFL
GTIN	4046356213462
Weight per piece (including packing)	33.45 g
Weight per piece (excluding packing)	33.45 g
Country of origin	DE

RC-12P1N126300 - Device connector front mounting



1596934

<https://www.phoenixcontact.com/us/products/1596934>

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	100
Connection method	Solder cup
Contact switching type	Pin
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 ²
Litz wire cross-section max. Contact (Contact group 1)	1 mm ²
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
Overvoltage category	III
Degree of pollution	3

Housing

Order information:	Order contact inserts separately
Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Front wall/screw mounting (Pg13,5)
Assembly note	Central fastening
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

RC-12P1N126300 - Device connector front mounting

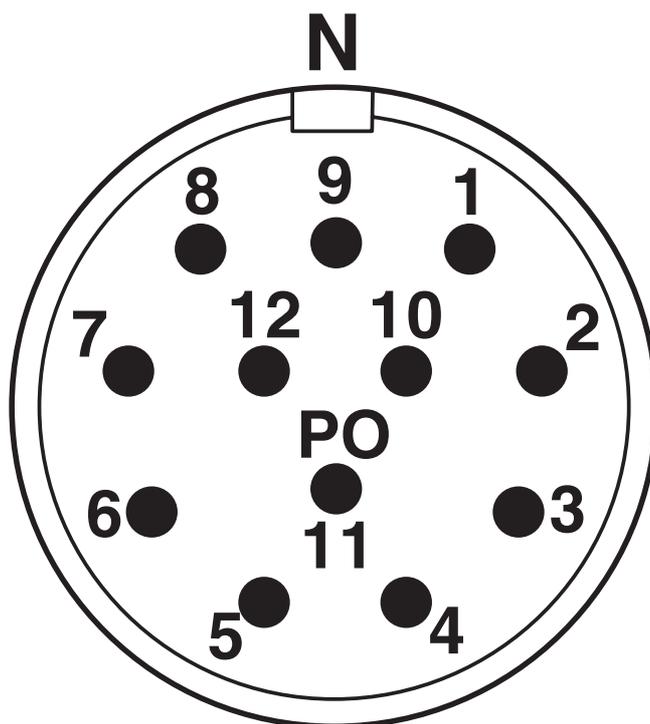


1596934

<https://www.phoenixcontact.com/us/products/1596934>

Drawings

Schematic diagram



Connector pin assignment

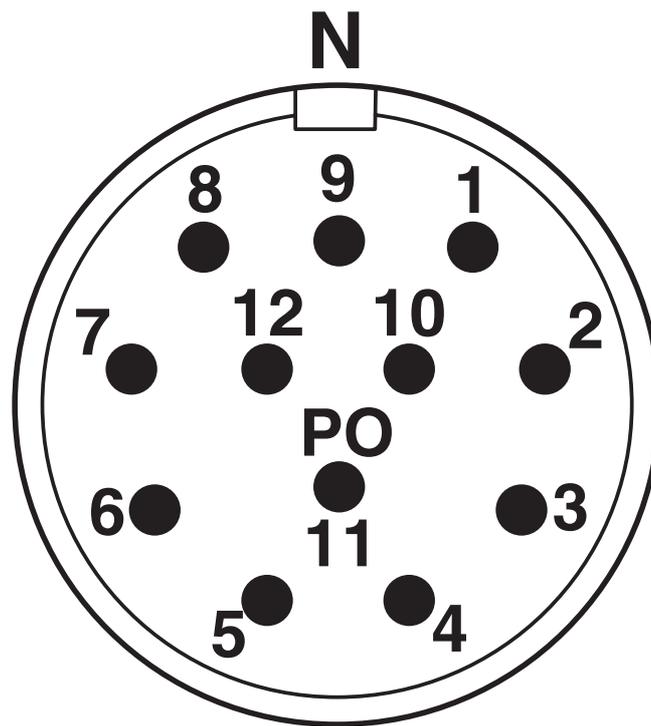
RC-12P1N126300 - Device connector front mounting



1596934

<https://www.phoenixcontact.com/us/products/1596934>

Schematic diagram



Connector pin assignment

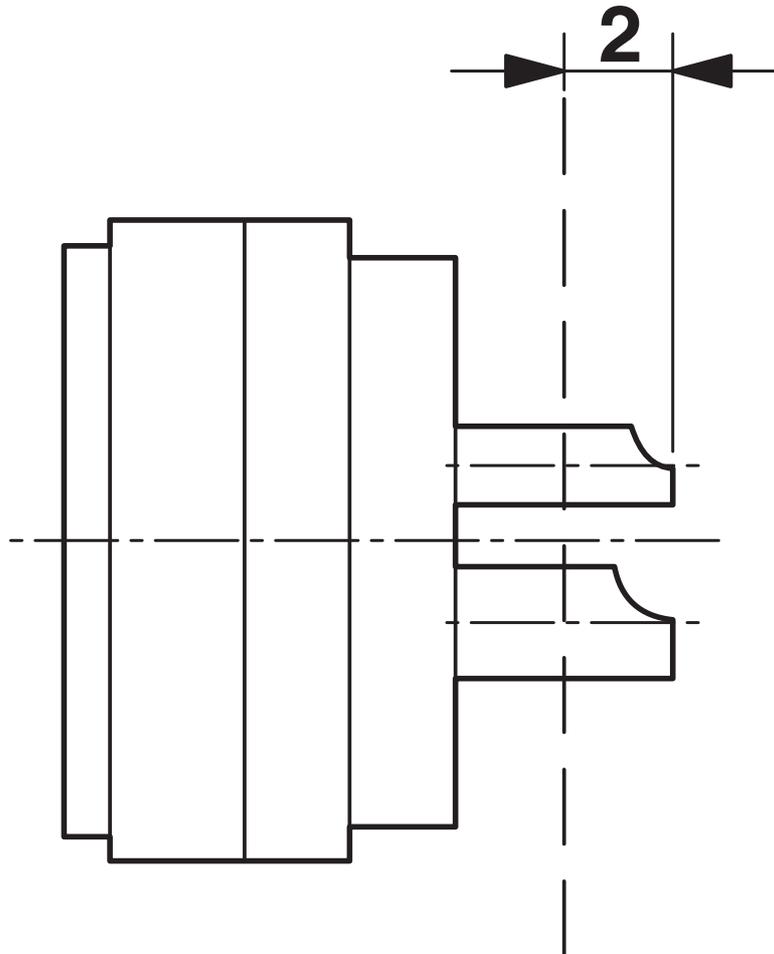
RC-12P1N126300 - Device connector front mounting



1596934

<https://www.phoenixcontact.com/us/products/1596934>

Schematic diagram



Dimensional drawing

1596934

<https://www.phoenixcontact.com/us/products/1596934>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

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

UNSPSC

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

1596934

<https://www.phoenixcontact.com/us/products/1596934>

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	6e8109fc-9a19-4b11-86d8-085ed4157e5e

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