

# RC-12P2N8AWSYQ - Device connector front mounting

1617403

<https://www.phoenixcontact.com/us/products/1617403>



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: Counter direction, contact connection type: Pin, Crimp connection, Axial O-ring, coding: N

## Commercial data

Item number	1617403
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFL
GTIN	4046356950015
Weight per piece (including packing)	25.3 g
Weight per piece (excluding packing)	23.46 g
Country of origin	DE

# RC-12P2N8AWSYQ - Device connector front mounting

1617403

<https://www.phoenixcontact.com/us/products/1617403>



## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

### Product properties

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

### Connector

#### Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Number Contact (Contact group 1)	12
Diameter Contact (Contact group 1)	1 mm
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
Overtoltage 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	Front mounting/square flange (4x Ø 2.7 mm)
Material (Housing)	GD-Zn
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

### Environmental and real-life conditions

#### Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
--	---------------

# RC-12P2N8AWSYQ - Device connector front mounting

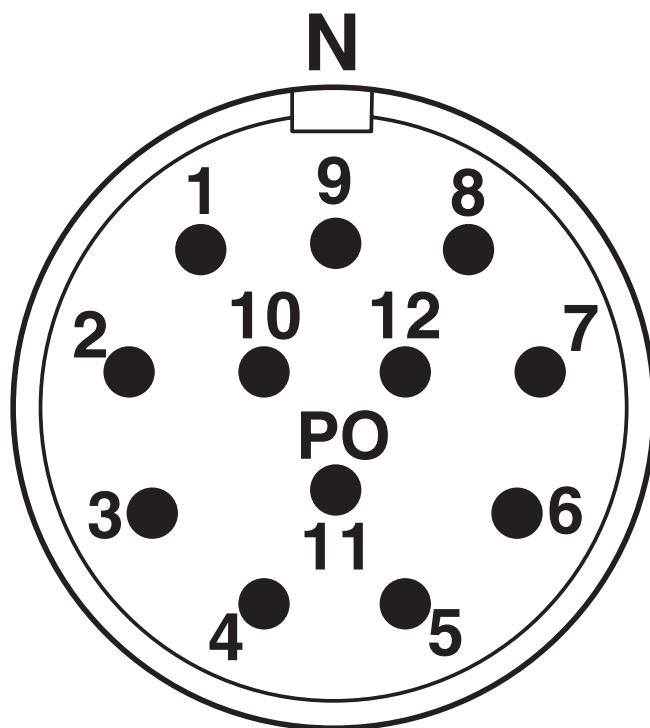
1617403

<https://www.phoenixcontact.com/us/products/1617403>



## Drawings

Schematic diagram



Connector pin assignment

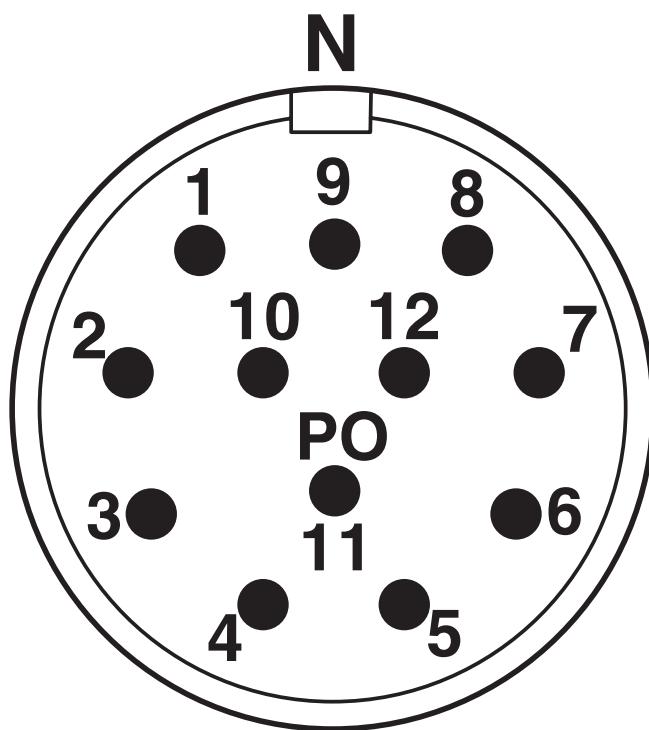
# RC-12P2N8AWSYQ - Device connector front mounting

1617403

<https://www.phoenixcontact.com/us/products/1617403>



Schematic diagram



Connector pin assignment

# RC-12P2N8AWSYQ - Device connector front mounting

1617403

<https://www.phoenixcontact.com/us/products/1617403>



## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

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

### UNSPSC

UNSPSC 21.0	39131500
-------------	----------

# RC-12P2N8AWSYQ - Device connector front mounting

1617403

<https://www.phoenixcontact.com/us/products/1617403>



## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### 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)