

# RC-12S1N8AT0EL - Cable connector



1613299

<https://www.phoenixcontact.com/us/products/1613299>

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, Cable connector, application: Signal, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N



## Commercial data

Item number	1613299
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFC
GTIN	4046356399333
Weight per piece (including packing)	150 g
Weight per piece (excluding packing)	150 g
Country of origin	DE

# RC-12S1N8AT0EL - Cable connector



1613299

<https://www.phoenixcontact.com/us/products/1613299>

## Technical data

### Notes

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

### Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

### Material specifications

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

### 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	Socket
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number (Contact group 1)	12
Contact diameter (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
Overvoltage category	III
Degree of pollution	3

#### Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

#### Seal

# RC-12S1N8AT0EL - Cable connector



1613299

<https://www.phoenixcontact.com/us/products/1613299>

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

# RC-12S1N8AT0EL - Cable connector

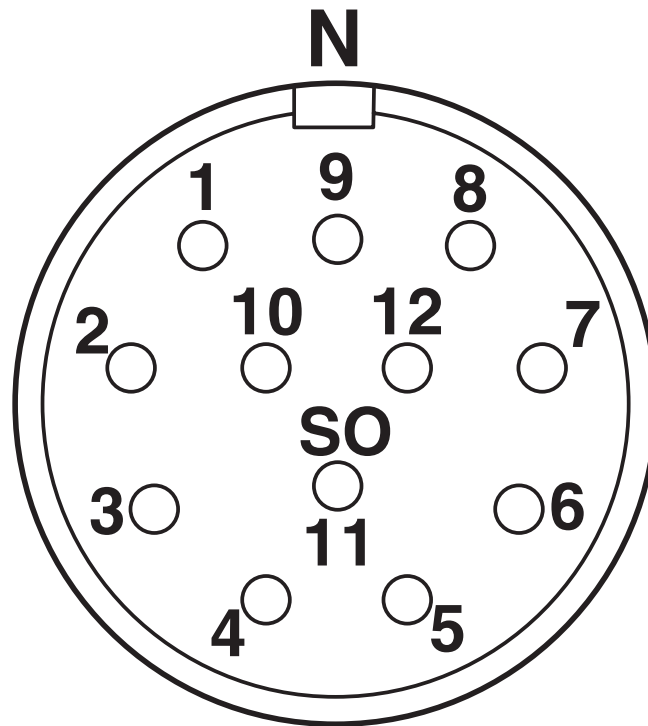


1613299

<https://www.phoenixcontact.com/us/products/1613299>

## Drawings

Schematic diagram



Connector pin assignment

# RC-12S1N8AT0EL - Cable connector



1613299

<https://www.phoenixcontact.com/us/products/1613299>

## Classifications

### UNSPSC

UNSPSC 21.0	39121413
-------------	----------

# RC-12S1N8AT0EL - Cable connector



1613299

<https://www.phoenixcontact.com/us/products/1613299>

## 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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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)