

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

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, with standard DIN cable gland

M23, Cable connector, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Solder cup, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

Commercial data

Item number	1241106
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABRAFA
GTIN	4063151438326
Weight per piece (including packing)	102.76 g
Weight per piece (excluding packing)	95.176 g
Country of origin	DE

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

Technical data

Product properties

Product type	Circular connector (cable-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 cup
Contact switching type	Socket
Application	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Number (Contact group 1)	12
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (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

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg11
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP65 IP67 IP68

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

Drawings

Schematic diagram



Connector pin assignment

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

Schematic diagram



Dimensional drawing

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1241106>



EAC

Approval ID: 19060508

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
-----------	----------

RC-12S2N121K00X - Cable connector



1241106

<https://www.phoenixcontact.com/us/products/1241106>

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 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