

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

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, straight, shielded: no, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

Commercial data

Item number	1241043
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAFA
GTIN	4063151439750
Weight per piece (including packing)	152.5 g
Weight per piece (excluding packing)	74.54 g
Country of origin	DE

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

Technical data

Notes

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

Product properties

Product type	Circular connector (cable-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	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	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg9
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP65 IP67 IP68

Environmental and real-life conditions

Ambient conditions

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

Permissible humidity (storage/transport)
--

50 % ... 65 %

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

Drawings

Schematic diagram



Connector pin assignment

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

Classifications

ECLASS

ECLASS-13.0

27440116

ETIM

ETIM 9.0

EC002635

RC-12S1N8A1500X - Cable connector



1241043

<https://www.phoenixcontact.com/us/products/1241043>

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