

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

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, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Solder cup, cable diameter range: 2 mm ... 3.5 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.

The figure shows the product version with standard contact chamber numbering

## Commercial data

Item number	1599742
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFA
GTIN	4046356227216
Weight per piece (including packing)	76.35 g
Weight per piece (excluding packing)	71.851 g
Customs tariff number	85366990
Country of origin	DE

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

## 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 <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	1 mm <sup>2</sup>
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

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65 IP67 IP68

#### Seal

External cable diameter	2 mm ... 3.5 mm
Seal material	NBR

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

## Drawings

Schematic diagram



Connector pin assignment

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

Schematic diagram



Dimensional drawing

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

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

### UNSPSC

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

# RC-12S2N1280EZ - Cable connector



1599742

<https://www.phoenixcontact.com/us/products/1599742>

## 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	0cb2efe2-36b9-4eed-8d8c-461fe86393d9

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)