

RC-12S2N1280E2 - Cable connector



1599730

<https://www.phoenixcontact.com/us/products/1599730>

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, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Solder cup, cable diameter range: 5.5 mm ... 6.5 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.

Commercial data

Item number	1599730
Packing unit	20 pc
Minimum order quantity	20 pc
Product key	ABRAFA
GTIN	4046356227100
Weight per piece (including packing)	75.49 g
Weight per piece (excluding packing)	71.223 g
Country of origin	DE

RC-12S2N1280E2 - Cable connector



1599730

<https://www.phoenixcontact.com/us/products/1599730>

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 (Contact group 1)	12
Diameter Contact (Contact group 1)	1 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (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

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	5.5 mm ... 6.5 mm
Seal material	NBR

RC-12S2N1280E2 - Cable connector

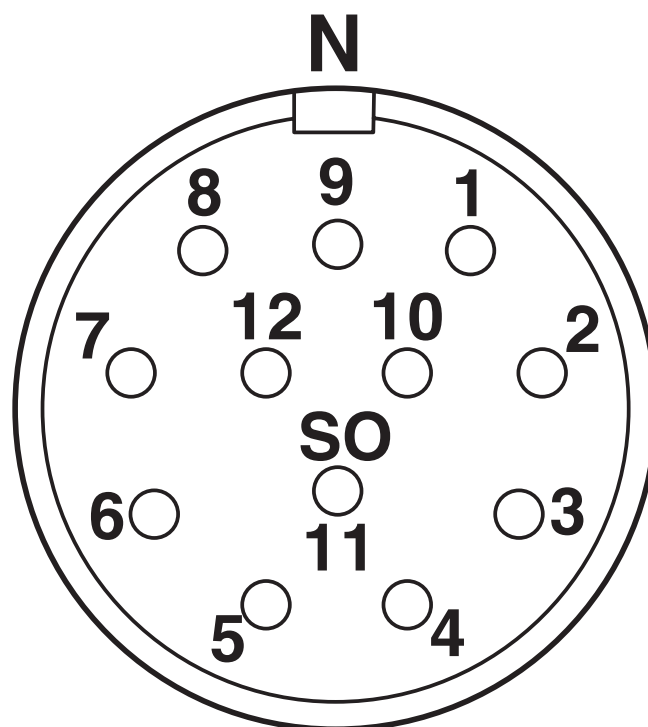
1599730

<https://www.phoenixcontact.com/us/products/1599730>



Drawings

Schematic diagram



Connector pin assignment

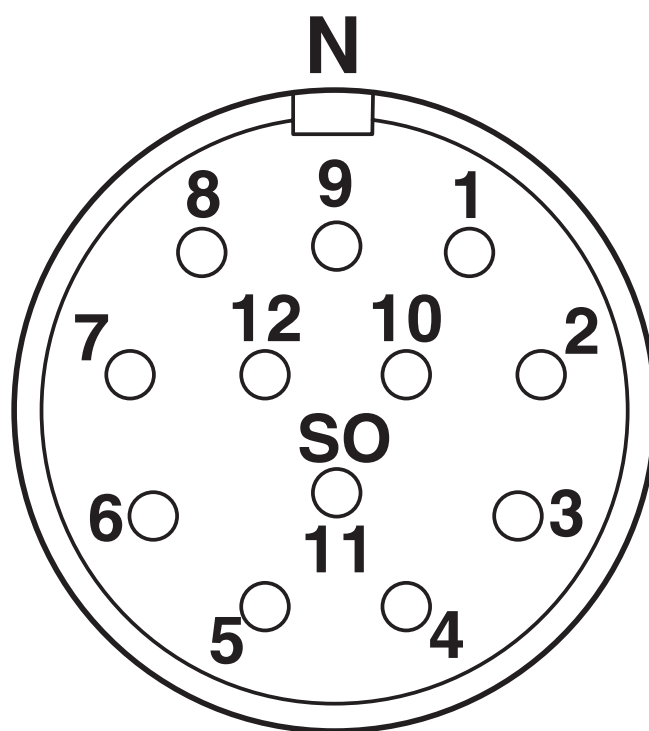
RC-12S2N1280E2 - Cable connector

1599730

<https://www.phoenixcontact.com/us/products/1599730>



Schematic diagram



Connector pin assignment

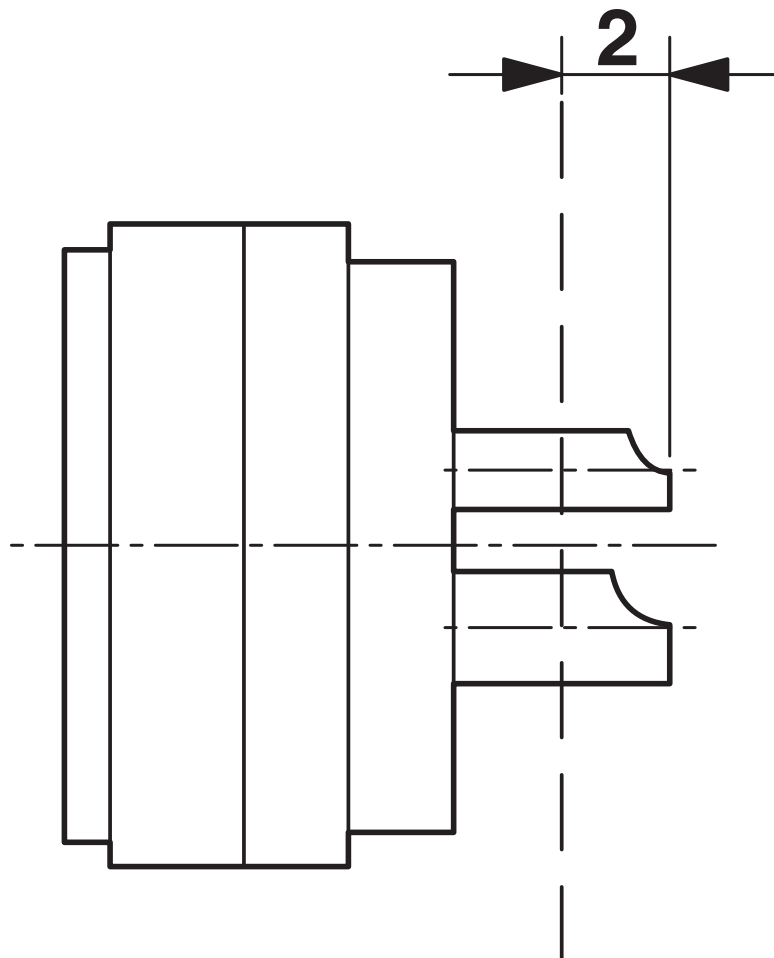
RC-12S2N1280E2 - Cable connector



1599730

<https://www.phoenixcontact.com/us/products/1599730>

Schematic diagram



Dimensional drawing

RC-12S2N1280E2 - Cable connector



1599730

<https://www.phoenixcontact.com/us/products/1599730>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	EC002635
----------	----------

UNSPSC

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

RC-12S2N1280E2 - Cable connector



1599730

<https://www.phoenixcontact.com/us/products/1599730>

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	e3c603ab-d615-404d-8230-a30e8037eb9e

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