RC-12S2N1280EZ - Cable connector

1599742

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

PHŒNIX CONTACT

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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: 2 mm ... 3. 5 mm, coding: N, this item is expected to be lead-free from Q4 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

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

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Technical data

Product properties

Product type	Circular connector (cable-side)

Connector

Insulating body

Coding	N
Contact material	CuZn
Contact surface material	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 mm²
Litz wire cross-section max. Contact (Contact group 1)	1 mm²
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
Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Metal
Degree of protection (plugged in)	IP65
	IP67
	IP68

Seal

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

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Drawings

Schematic diagram
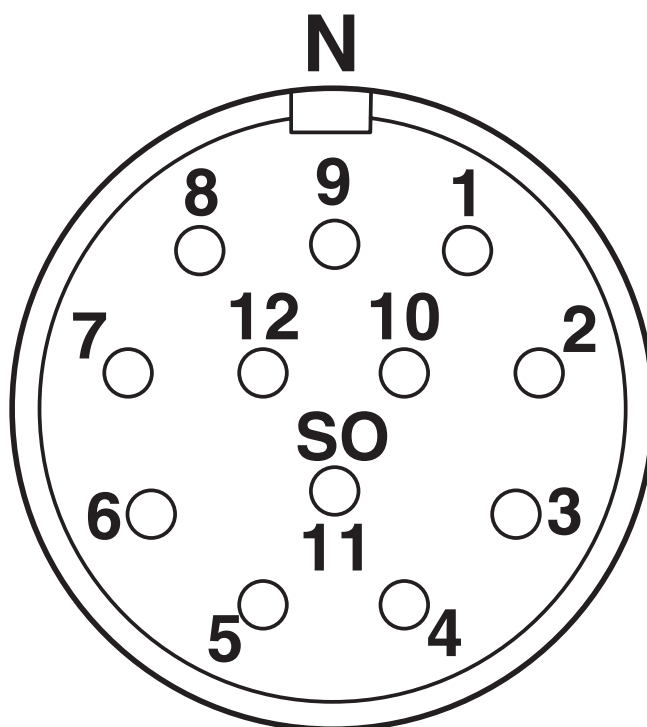
Connector pin assignment

Schematic diagram

Connector pin assignment

Schematic diagram

2
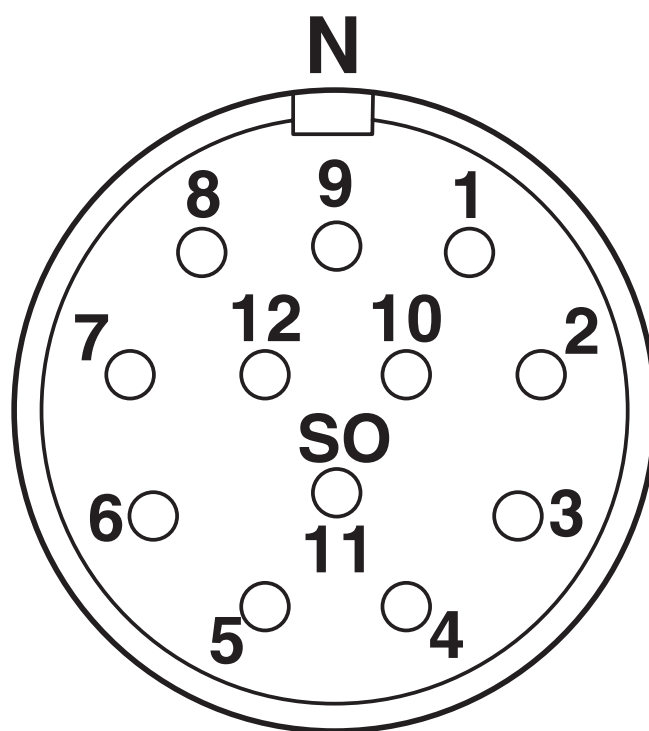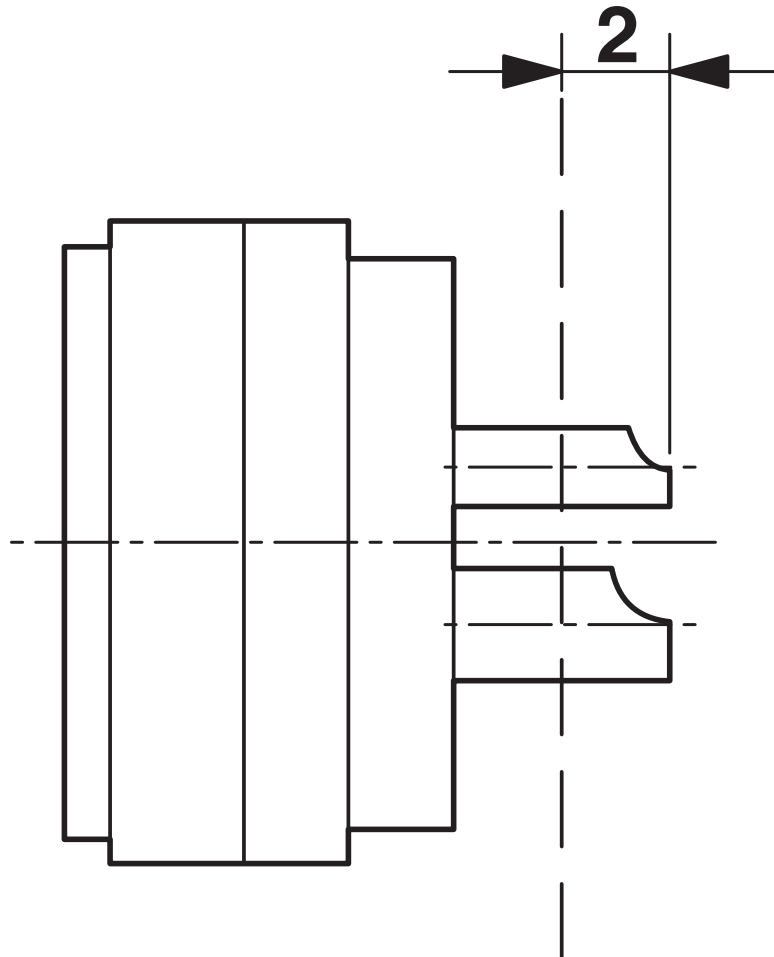
Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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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