

RC-12S2N121600 - Cable connector



1599640

<https://www.phoenixcontact.com/us/products/1599640>

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M23, Cable connector, 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

Commercial data

Item number	1599640
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356226585
Weight per piece (including packing)	82.68 g
Weight per piece (excluding packing)	78.69 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
Thread type	M23

Material specifications

Flammability rating according to UL 94	V0
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Connection data

Conductor connection

Connection method	Solder connection
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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 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

Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	Pg11
Housing material	Metal
Degree of protection (plugged in)	IP65
	IP67

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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
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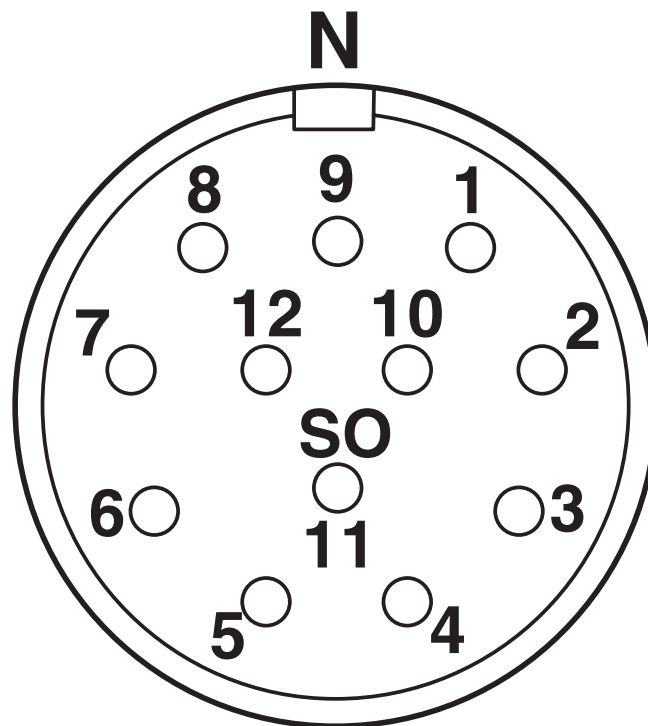
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Drawings

Schematic diagram



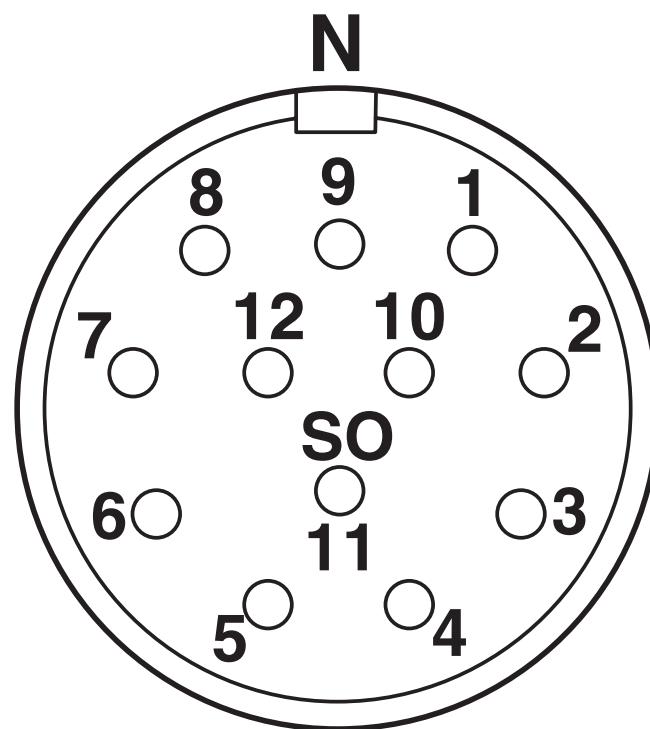
Connector pin assignment

RC-12S2N121600 - Cable connector

1599640

<https://www.phoenixcontact.com/us/products/1599640>

Schematic diagram



Connector pin assignment

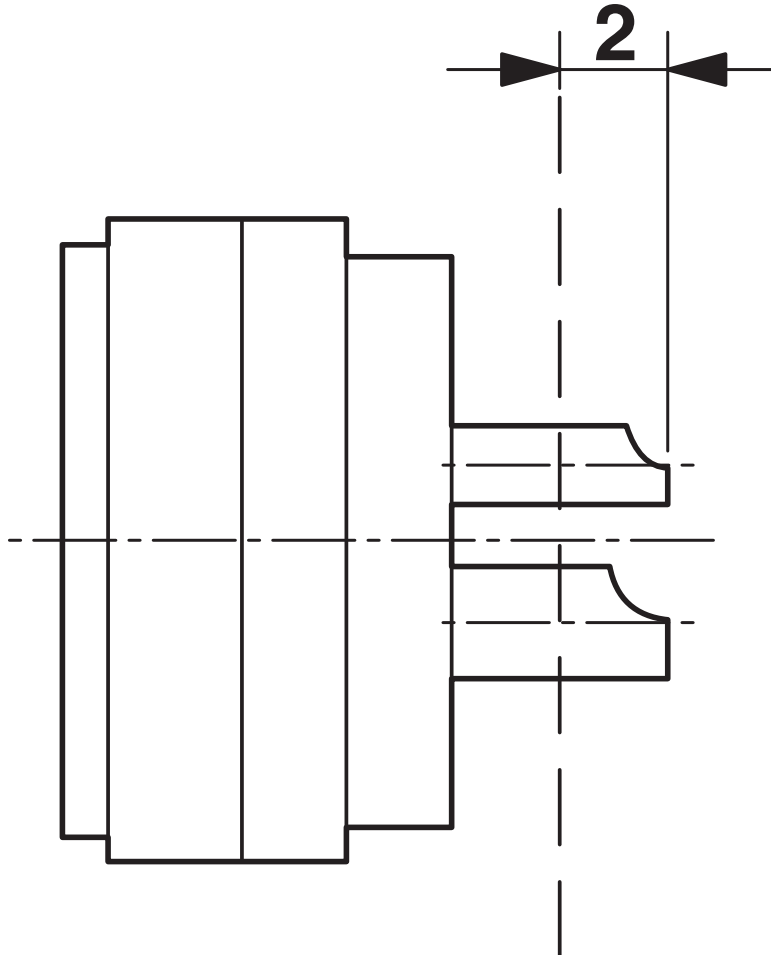
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1599640

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Schematic diagram



Dimensional drawing

RC-12S2N121600 - Cable connector



1599640

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Classifications

ECLASS

ECLASS-13.0	27440116
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ETIM

ETIM 9.0	EC002635
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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	b1c0d40b-67fa-4571-9a7d-62c44eb543b5

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