

RC-12S2N121400X - Cable connector



1241100

<https://www.phoenixcontact.com/us/products/1241100>

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M23, Cable connector, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Solder cup, cable diameter range: 4 mm ... 6 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

The figure shows the 12-pos. product version with standard contact chamber numbering

Commercial data

Item number	1241100
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAFA
GTIN	4063151439125
Weight per piece (including packing)	82.795 g
Weight per piece (excluding packing)	77.062 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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Material specifications

Housing material	Metal
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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 ²
Litz wires Max. cross section (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

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

Seal

External cable diameter	4 mm ... 6 mm
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Drawings

Schematic diagram



Connector pin assignment

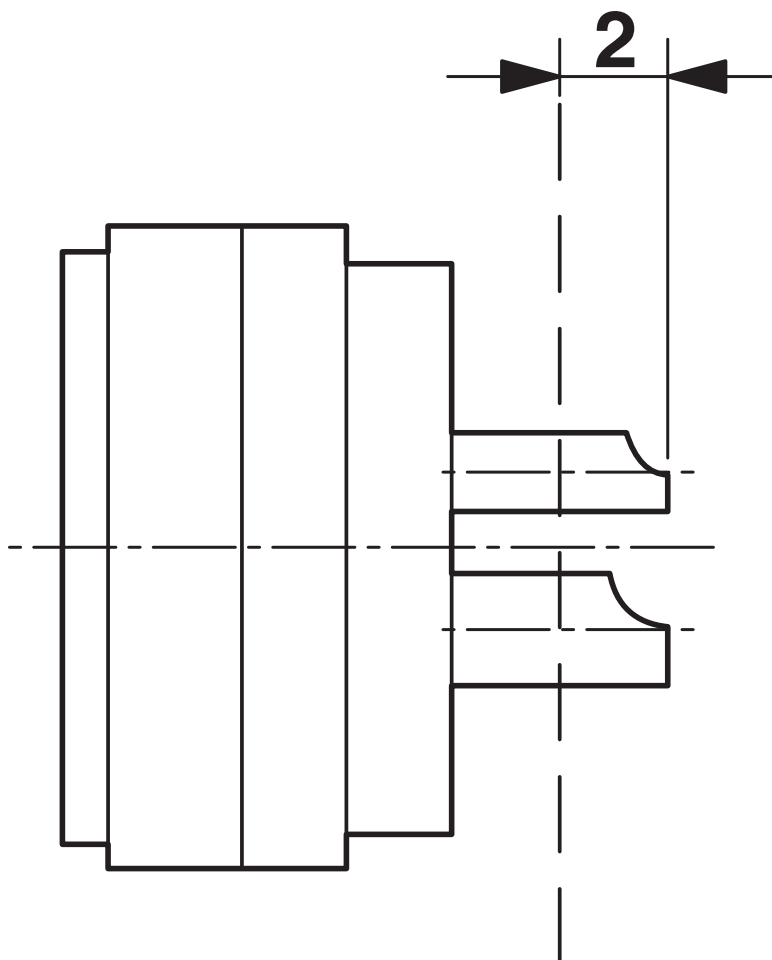
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Schematic diagram



Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0

27440116

ETIM

ETIM 9.0

EC002635

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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