

RC-09P2N12T0R3 - Cable connector



1620948

<https://www.phoenixcontact.com/us/products/1620948>

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M23, Cable connector, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos. : 8+1, Direction of rotation: Counter direction, contact connection type: Pin, Solder cup, cable diameter range: 3 mm ... 10.5 mm, coding: N

Commercial data

Item number	1620948
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFC
GTIN	4046356879880
Weight per piece (including packing)	141.11 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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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	Pin
Application	Signal
Number of positions	9
Direction of rotation	Counter direction
Connection profile	8+1
Number Contact (Contact group 1)	1
Diameter Contact (Contact group 1)	2 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 1)	2.5 mm ²
Rated current Contact (Contact group 1)	20 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
Number Contact (Contact group 2)	8
Diameter Contact (Contact group 2)	1 mm
Litz wire cross-section min. Contact (Contact group 2)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC
	48 V AC

Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn

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Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

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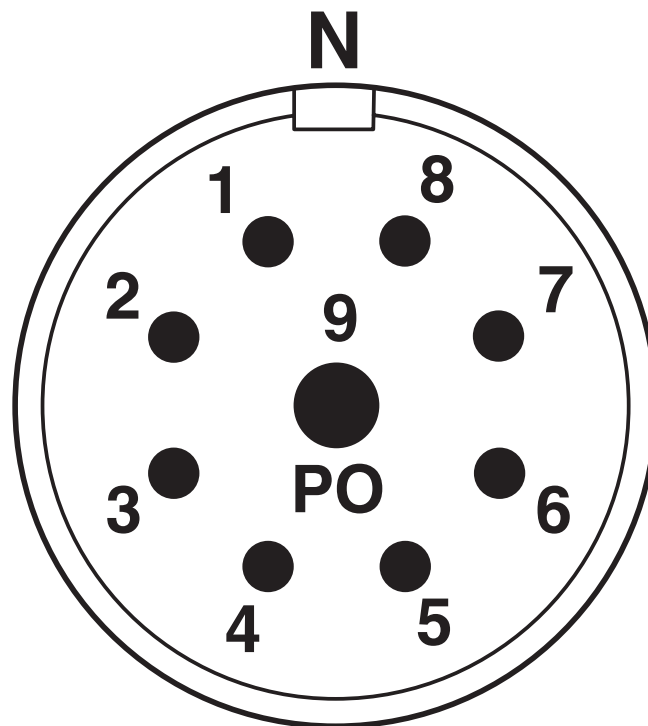
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Drawings

Schematic diagram



Connector pin assignment

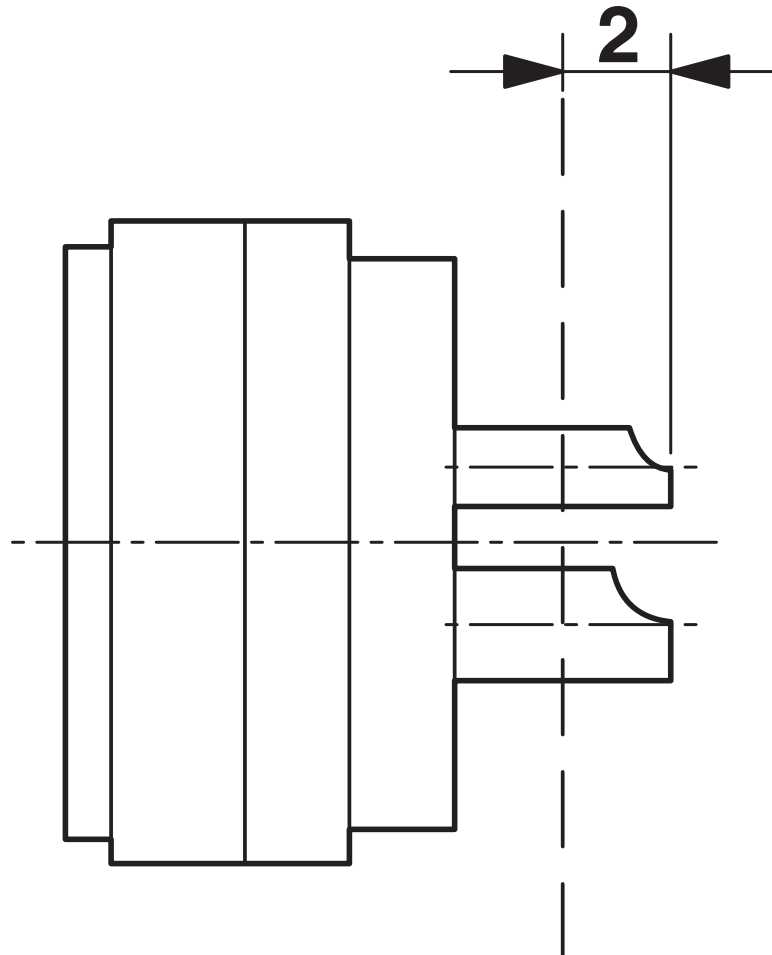
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Schematic diagram



Dimensional drawing

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