

RC-09P1N12YF00 - Device connector front mounting with knurled nut



1610437

<https://www.phoenixcontact.com/us/products/1610437>

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M23, Device connector front mounting with knurled nut, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Axial O-ring, 4x Ø 3.2, coding: N

Commercial data

Item number	1610437
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFO
GTIN	4046356263436
Weight per piece (including packing)	56.5 g
Weight per piece (excluding packing)	49.46 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connectors (device 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	Standard
Connection profile	8+1
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (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 group 2)	8
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (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

Order information:	Order contact inserts separately
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Metal

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Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

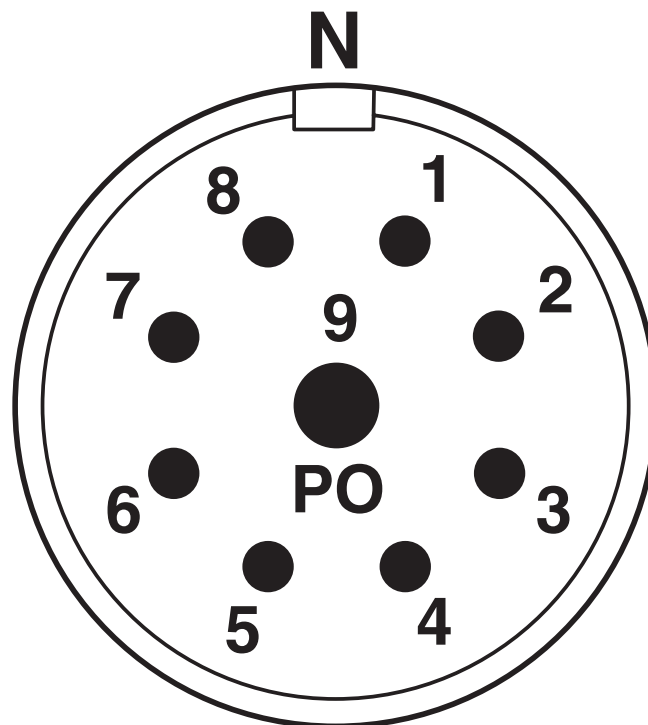
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Drawings

Schematic diagram



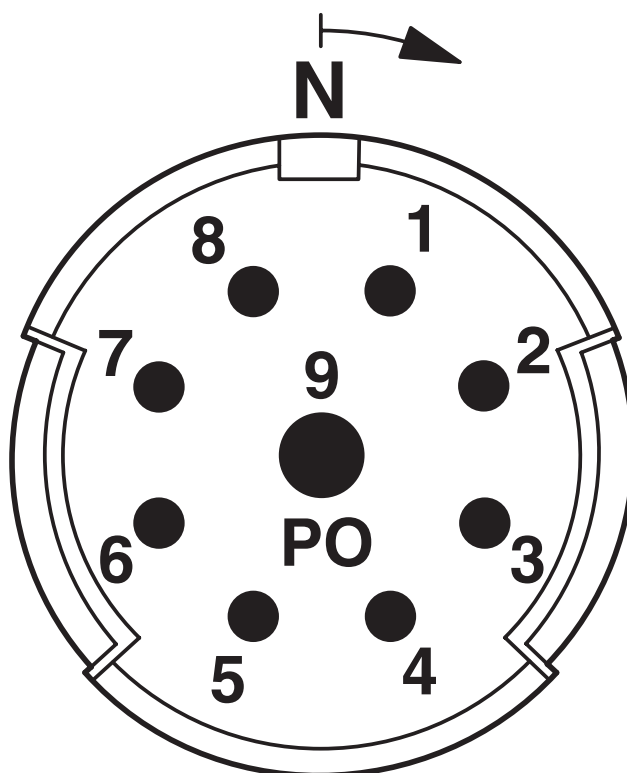
Connector pin assignment

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Schematic diagram



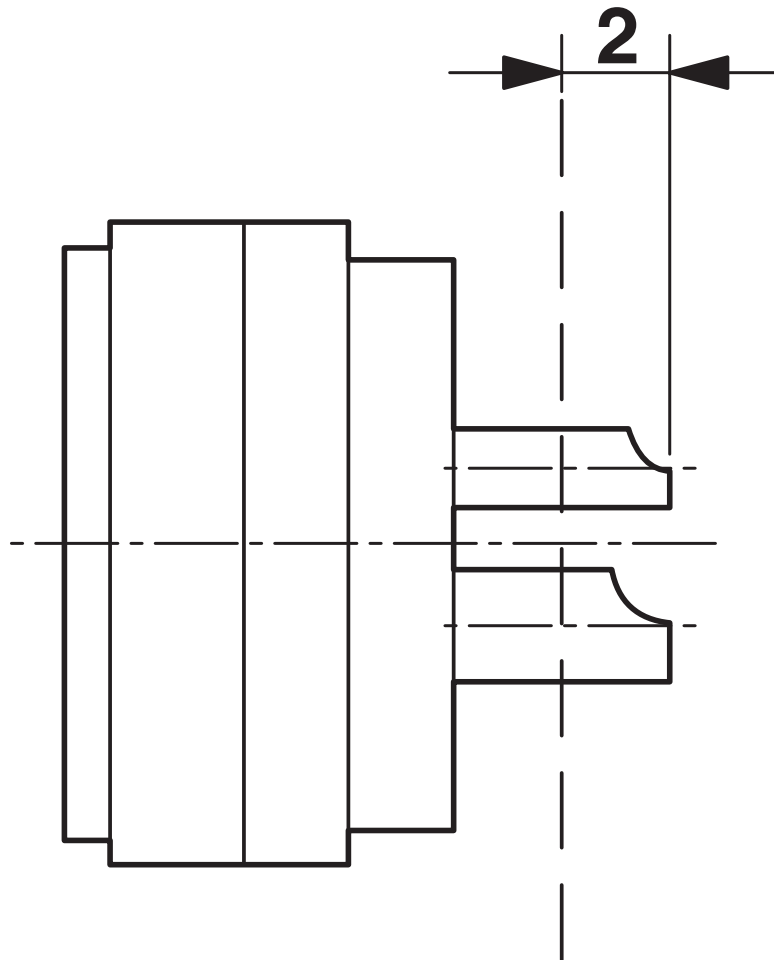
Connector pin assignment

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Schematic diagram



Dimensional drawing

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Classifications

UNSPSC

UNSPSC 21.0	39121413
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 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.)	No substance above 0.1 wt%
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