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Device connector front mounting, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N, this item is expected to be lead-free from Q3 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	1600630
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFL
GTIN	4046356231077
Weight per piece (including packing)	43.58 g
Weight per piece (excluding packing)	38.53 g
Country of origin	DE

RC-16P1N12D100 - Device connector front mounting



1600630

<https://www.phoenixcontact.com/us/products/1600630>

Technical data

Mounting

Mounting type	Front mounting
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Product properties

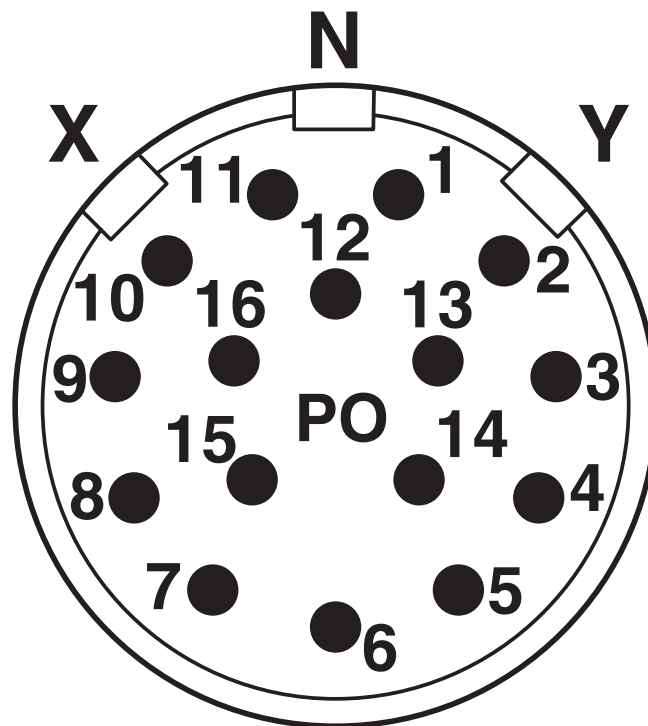
Product type	Circular connectors (device side)
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Connector

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	16
Direction of rotation	Standard
Connection profile	16
Number Contact (Contact group 1)	16
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

Schematic diagram

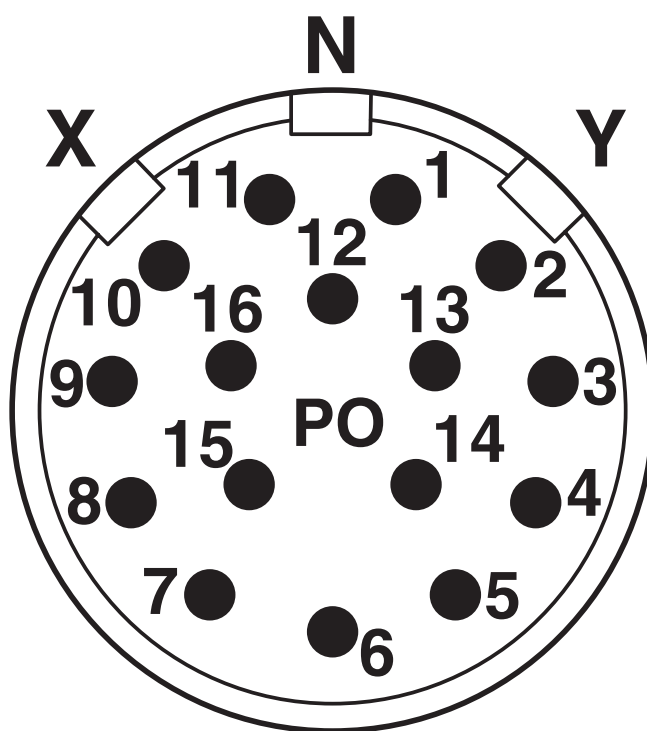


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Schematic diagram

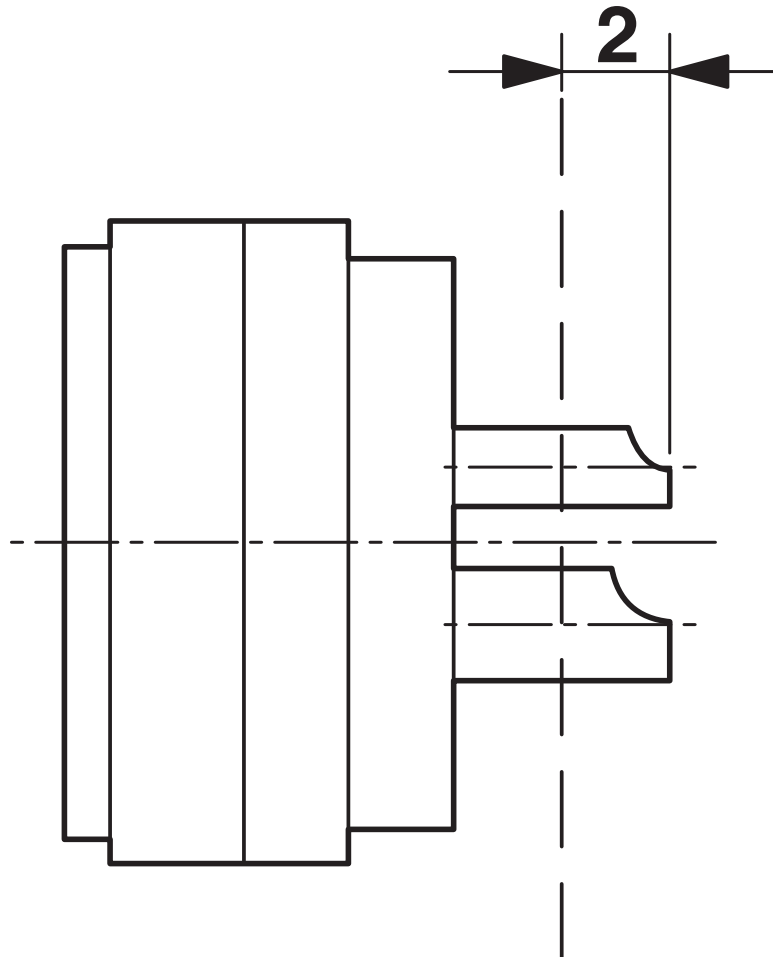


Connector pin assignment

1600630

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Schematic diagram



Dimensional drawing

RC-16P1N12D100 - Device connector front mounting



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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
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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	27cc2e3b-b0ee-487a-9dbc-f6cc6bd09166

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