

RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Device connector front mounting with knurled nut, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, coding: N, this item is expected to be lead-free from Q2 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	1602923
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFO
GTIN	4046356242400
Weight per piece (including packing)	36.82 g
Weight per piece (excluding packing)	34.756 g
Customs tariff number	85366990
Country of origin	DE

RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

Technical data

Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

Connector

Insulating body

Coding	N
Material (Insulating body)	PA 6.6
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Number Contact (Contact group 1)	3
Diameter Contact (Contact group 1)	1.5 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)	10 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)	16
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
Number Contact (Contact group 3)	1
Diameter Contact (Contact group 3)	1.5 mm
Rated current Contact (Contact group 3)	8 A

Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism

RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

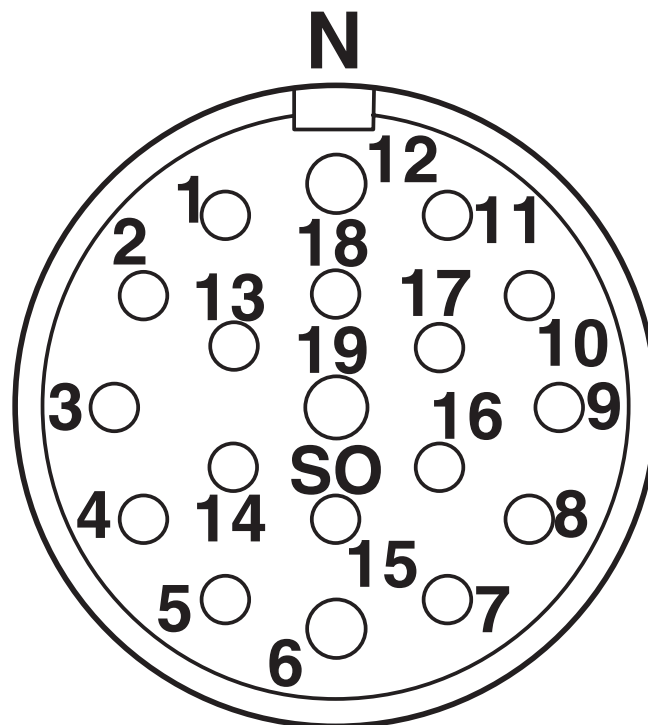
RC-19S1N12Y300 - Device connector front mounting with knurled nut

1602923

<https://www.phoenixcontact.com/us/products/1602923>

Drawings

Schematic diagram



Connector pin assignment

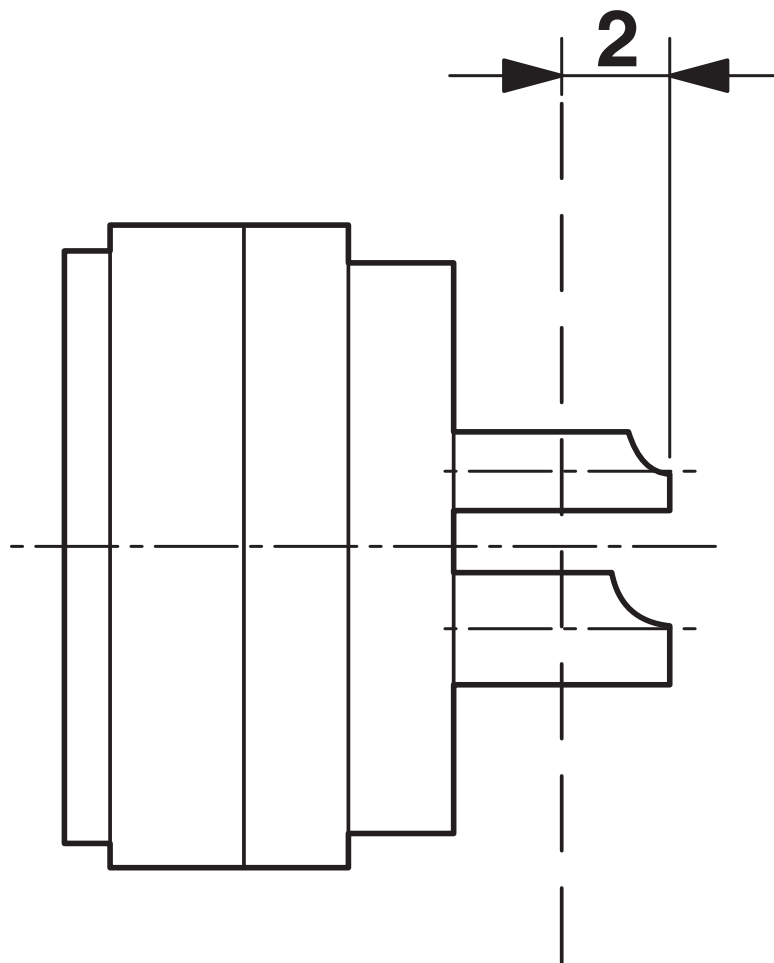
RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

Schematic diagram



Dimensional drawing

RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

RC-19S1N12Y300 - Device connector front mounting with knurled nut



1602923

<https://www.phoenixcontact.com/us/products/1602923>

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: n/a)
SCIP	2b8003cc-dd34-4eff-a237-243e9f7a05c3

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com