

RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



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, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 17, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

Commercial data

Item number	1601827
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFL
GTIN	4046356236805
Weight per piece (including packing)	32.39 g
Weight per piece (excluding packing)	30.15 g
Customs tariff number	85366990
Country of origin	DE

RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



Technical data

Product properties

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

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	17
Direction of rotation	Standard
Connection profile	17
Number Contact (Contact group 1)	17
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
Overshoot category	III
Degree of pollution	3

Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

RC-17S1N122300 - Device connector front mounting

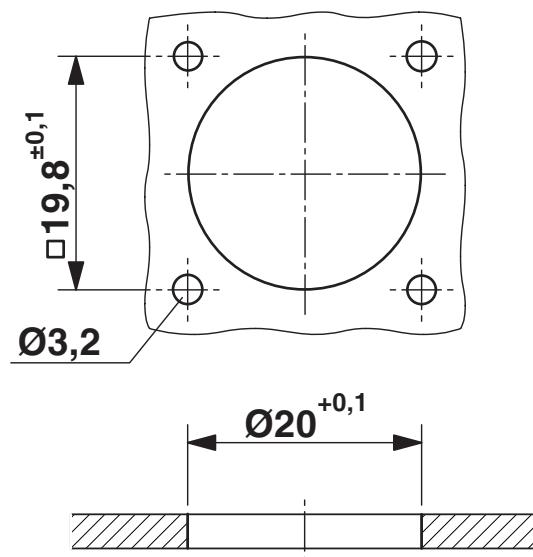
1601827

<https://www.phoenixcontact.com/us/products/1601827>



Drawings

Dimensional drawing



Installation dimensions

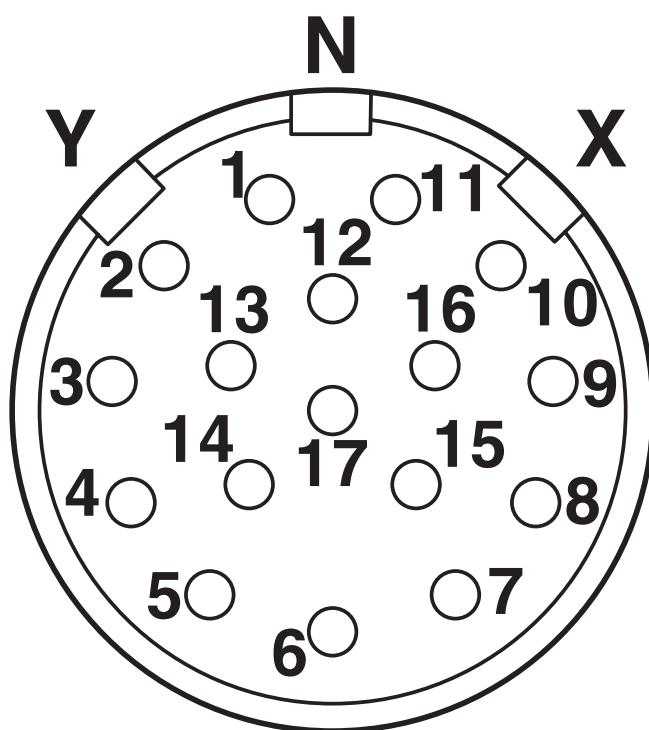
RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



Schematic diagram



Connector pin assignment

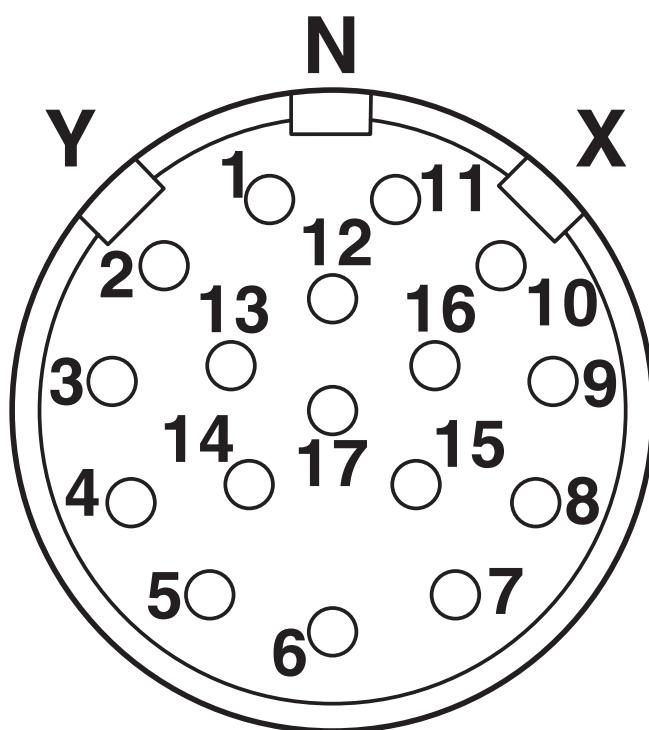
RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



Schematic diagram



Connector pin assignment

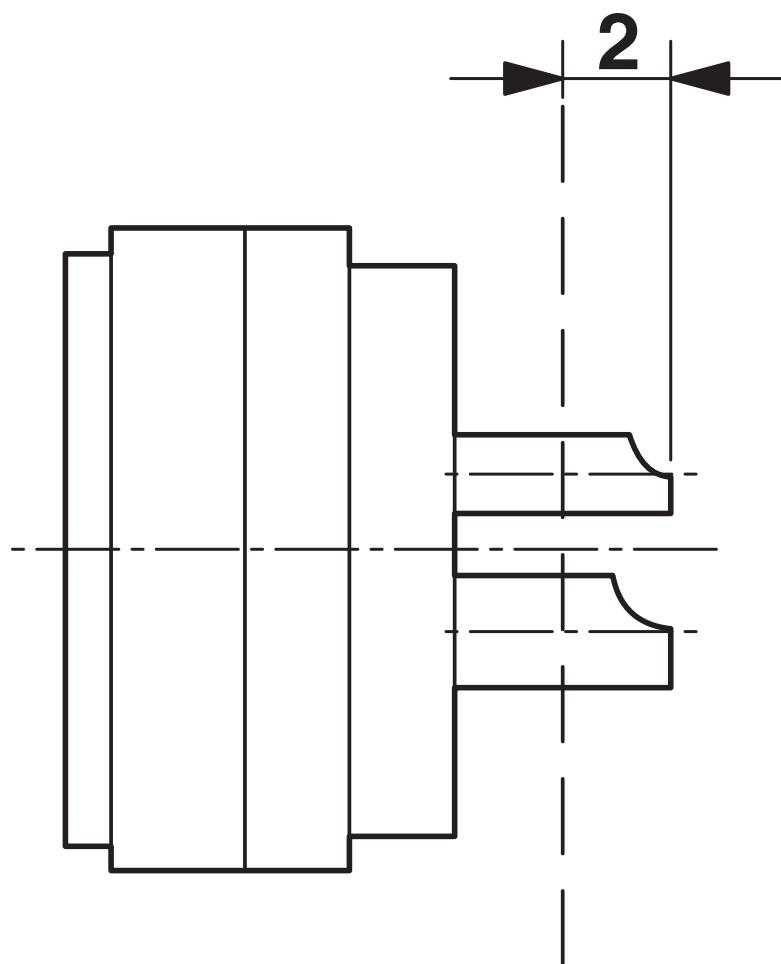
RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



Schematic diagram



Dimensional drawing

RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

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

UNSPSC

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

RC-17S1N122300 - Device connector front mounting

1601827

<https://www.phoenixcontact.com/us/products/1601827>



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	a96c57e1-036b-4e1c-b007-362f0a67c87c

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