

RC-19P1N121L00 - Cable connector



1602501

<https://www.phoenixcontact.com/us/products/1602501>

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, Cable connector, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 16+3, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241473

Commercial data

Item number	1602501
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFA
GTIN	4046356239998
Weight per piece (including packing)	103.95 g
Weight per piece (excluding packing)	103.95 g
Customs tariff number	85366990
Country of origin	DE

RC-19P1N121L00 - Cable connector



1602501

<https://www.phoenixcontact.com/us/products/1602501>

Technical data

Product properties

Product type	Circular connector (cable-side)
Type of the screw connection	IP68 screw
Thread type	M23

Material specifications

Flammability rating according to UL 94	V0
----------------------------------------	----

Connection data

Conductor connection

Connection method	Solder connection
-------------------	-------------------

Mechanical properties

Mechanical data

Type of the screw connection	IP68 screw
------------------------------	------------

Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	100
Connection method	Solder cup
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+3
Contact diameter Power contacts	1.5 mm
Litz wire cross-section Power contacts min.	0.08 mm ²
Litz wire cross-section Power contacts max.	1 mm ²
Rated current Power contacts	10 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²

RC-19P1N121L00 - Cable connector



1602501

<https://www.phoenixcontact.com/us/products/1602501>

Nominal current per signal contact	8 A
------------------------------------	-----

Housing

Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP65
	IP67
Thread type	M23

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
----------------------	------

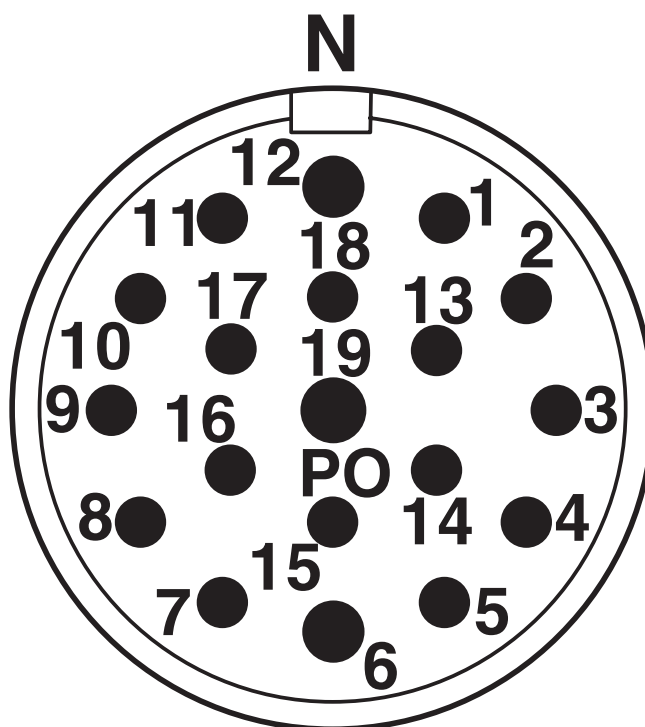
RC-19P1N121L00 - Cable connector

1602501

<https://www.phoenixcontact.com/us/products/1602501>

Drawings

Schematic diagram



Connector pin assignment

RC-19P1N121L00 - Cable connector



1602501

<https://www.phoenixcontact.com/us/products/1602501>

Classifications

ECLASS

ECLASS-11.0	27440109
ECLASS-12.0	27440109
ECLASS-13.0	27440109

ETIM

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

UNSPSC

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

RC-19P1N121L00 - Cable connector



1602501
<https://www.phoenixcontact.com/us/products/1602501>

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	30bc2a20-235f-41fd-aecd-e4c3240bc1cd

Phoenix Contact 2024 © - 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