

RC-1RP1NRA1K00 - Cable connector



1603075

<https://www.phoenixcontact.com/us/products/1603075>

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+2+FE, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, coding: N

Commercial data

Item number	1603075
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356243261
Weight per piece (including packing)	101.77 g
Weight per piece (excluding packing)	101.77 g
Country of origin	DE

RC-1RP1NRA1K00 - Cable connector



1603075

<https://www.phoenixcontact.com/us/products/1603075>

Technical data

Notes

Order information:	Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
--------------------	---

Product properties

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

Connector

Insulating body

Note	Order information: Order crimp contacts 16 x Ø 1 mm, 2 x Ø 1.5 mm, 1 x Ø 1.5 (PE) separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	19
Direction of rotation	Standard
Connection profile	16+2+FE
Number Contact (Contact group 1)	3
Diameter Contact (Contact group 1)	1.5 mm
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
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg11
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn

RC-1RP1NRA1K00 - Cable connector



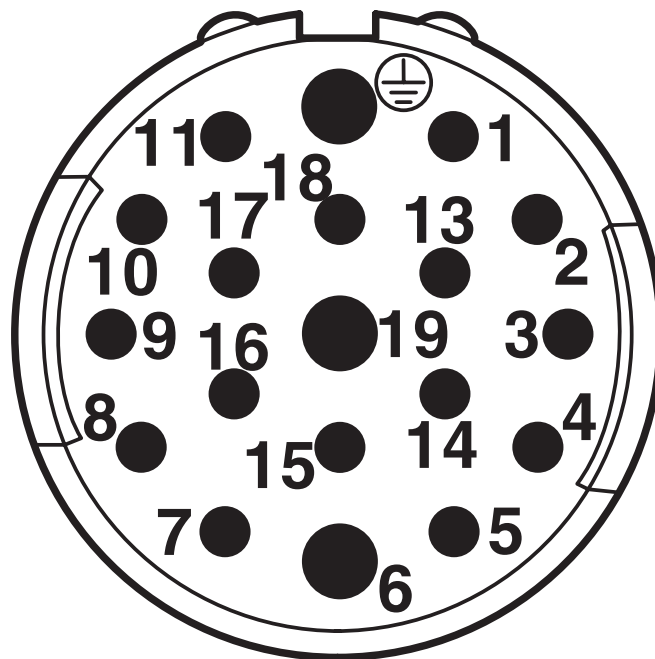
1603075

<https://www.phoenixcontact.com/us/products/1603075>

Degree of protection (plugged in)	IP65
	IP67
	IP68

<https://www.phoenixcontact.com/us/products/1603075>

Schematic diagram



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

Oct 4, 2025, 2:34 PM Page 4 (4)