

# RC-1RP1NRA1K00 - Cable connector



1603075

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

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M23, Cable connector, application: Signal, 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

The figure shows the 12-pos. product version, with standard DIN cable gland

## 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

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## 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
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### Product properties

Product type	Circular connectors (device side)
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### 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 group 1)	3
Contact diameter (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 group 2)	16
Contact diameter (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

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Degree of protection (plugged in)	IP65
	IP67
	IP68

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## Drawings

Schematic diagram



Connector pin assignment

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