

# RC-09P1N8AT0EP - Cable connector



1610471

<https://www.phoenixcontact.com/us/products/1610471>

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M23, Cable connector, application: Signal, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N



The figure shows the 12-pos.  
product version

## Commercial data

Item number	1610471
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFC
GTIN	4046356263535
Weight per piece (including packing)	144.25 g
Weight per piece (excluding packing)	135.86 g
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
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### Product properties

Product type	Circular connector (cable-side)
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### Connector

#### Insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Pin
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 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)	8
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	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)

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Degree of protection (plugged in)	IP67
Seal	
External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

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## Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Connector pin assignment

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