

# RC-09P1N8AR1Q8 - Cable connector



1595481

<https://www.phoenixcontact.com/us/products/1595481>

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M23, Cable connector, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, cable diameter range: 6.5 mm ... 7.5 mm, coding: N

The figure shows the 12-pos. product version, with double bracket strain relief

## Commercial data

Item number	1595481
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356207010
Weight per piece (including packing)	88.015 g
Weight per piece (excluding packing)	84.138 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)
Thread type	M23

### Material specifications

Flammability rating according to UL 94	V0
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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

Order information:	Order contact inserts and cable clamping/shield accessories separately
Type	Cable connector housing
Thread type	M23
Design	straight

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Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Screw mounting (Pg9)
Housing material	Metal
Degree of protection (plugged in)	IP67

## Seal

External cable diameter	6.5 mm ... 7.5 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
Permissible humidity (storage/transport)	50 % ... 65 %

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## Drawings

Schematic diagram



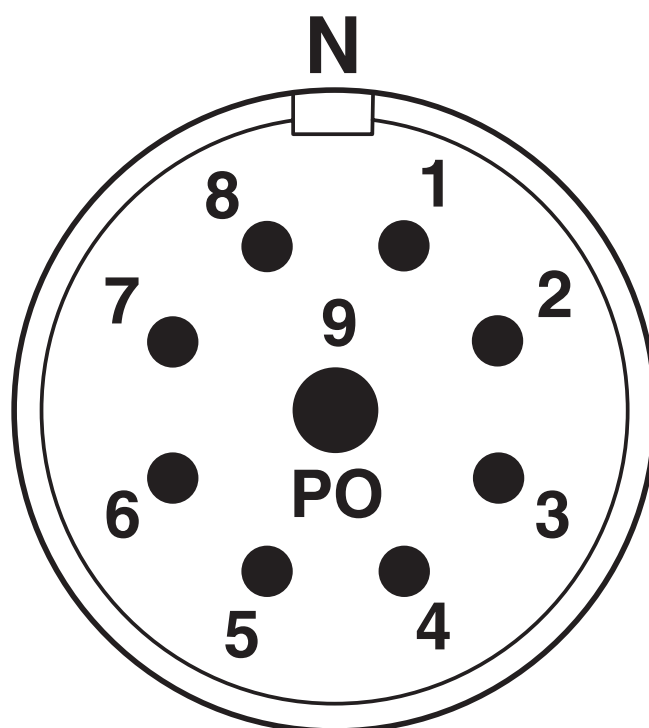
Connector pin assignment

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Schematic diagram



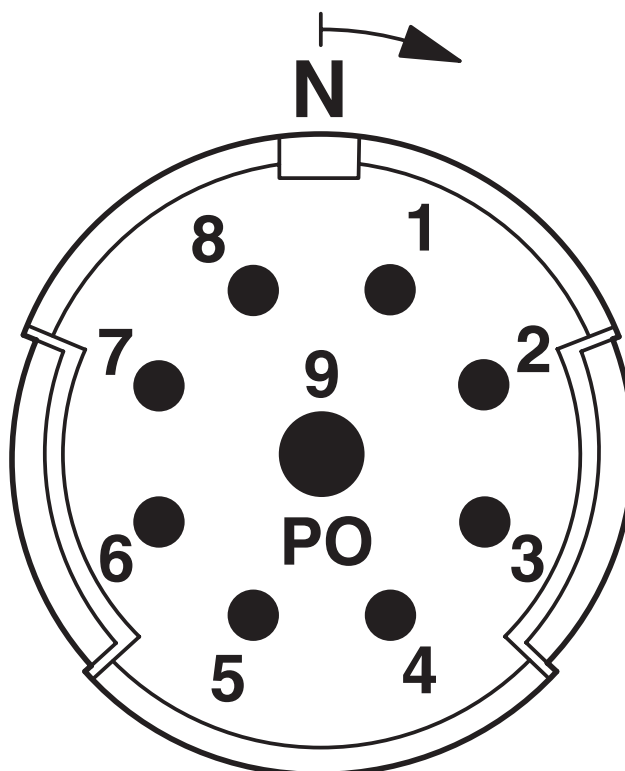
Connector pin assignment

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Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

### ETIM

ETIM 10.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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## 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	635a829d-c8fc-4a47-95f0-4b3090e5866d

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