

# RC-06S1N8AY100 - Device connector front mounting with knurled nut



1610272

<https://www.phoenixcontact.com/us/products/1610272>

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The figure shows the 9-pos. product version

M23, Device connector front mounting with knurled nut, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Flat gasket, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %). This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## Commercial data

Item number	1610272
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFO
GTIN	4046356262910
Weight per piece (including packing)	35.685 g
Weight per piece (excluding packing)	31.779 g
Country of origin	DE

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 2 mm 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 Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number (Contact group 1)	6
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

#### Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Mounting type	Front mounting/square flange (4x Ø 2.7 mm)
Housing material	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

### Environmental and real-life conditions

#### Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
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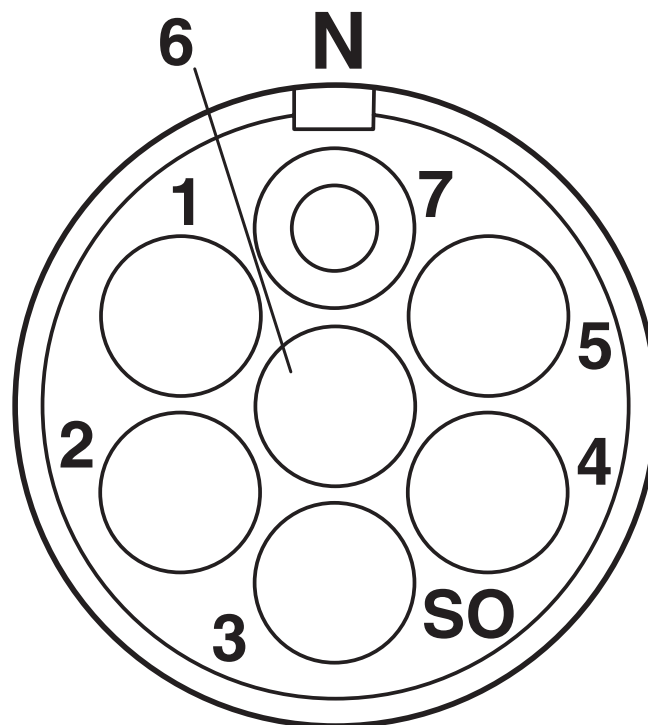
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## Drawings

Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 10.0	EC003569
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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