

# RC-06S1NC2H000 - Device connector rear mounting



1594163

<https://www.phoenixcontact.com/us/products/1594163>

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The figure shows the 12-pos.  
product version

M23, Device connector rear mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Solder-in connection, Axial O-ring, Panel thickness min.: 0.8 mm, Panel thickness max.: 6.5 mm, coding: N. 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	1594163
Packing unit	12 pc
Minimum order quantity	12 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFR
GTIN	4046356200011
Weight per piece (including packing)	67.38 g
Weight per piece (excluding packing)	57.53 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
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### Dimensions

Length of the solder pin	11 mm
	11 mm

### Material specifications

Flammability rating according to UL 94	V0
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### Connector

#### Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder-in 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)	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
Degree of pollution	3

#### Housing

Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Rear mounting (M25 x 1,5)
Assembly note	Central fastening
Material (Housing)	GD-Zn
Material (Housing surface)	Ni

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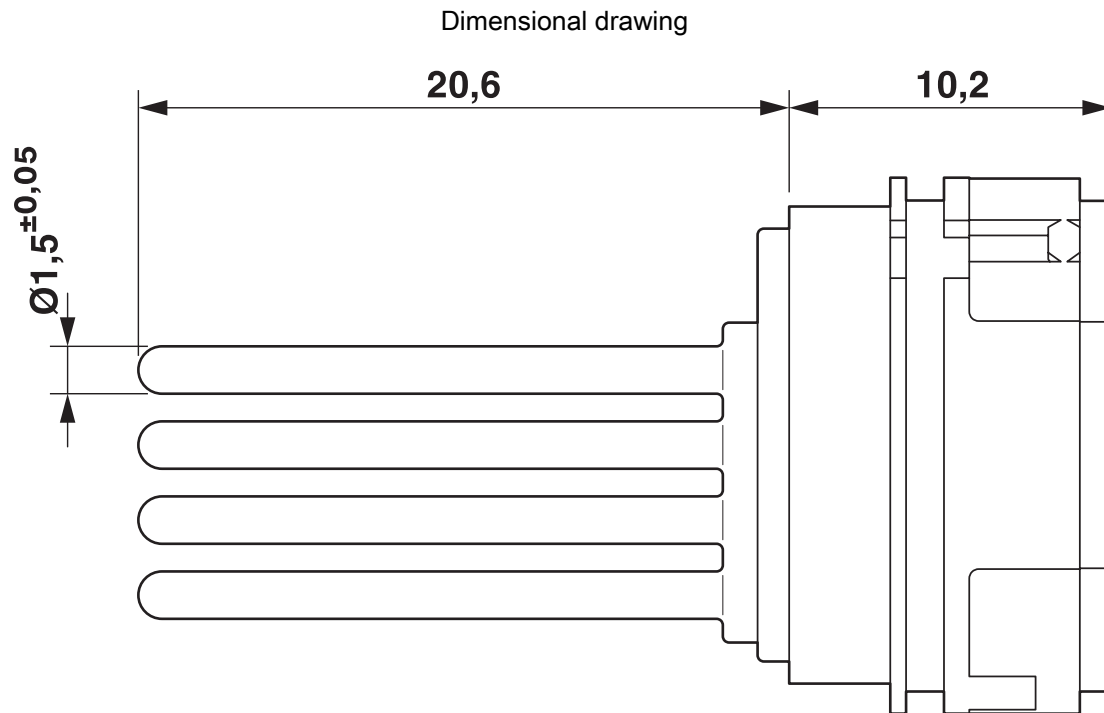
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

## Environmental and real-life conditions

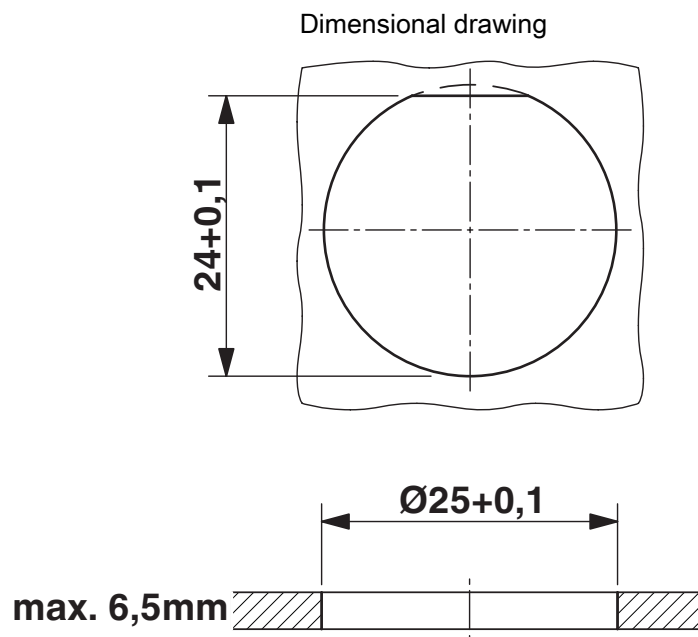
### Ambient conditions

Degree of protection	IP67
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Drawings



Dimensional drawing



Installation dimensions

Schematic diagram

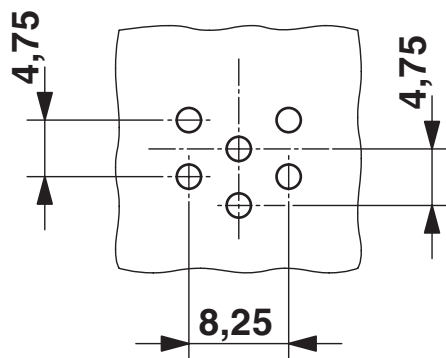


Connector pin assignment

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## Drilling plan/solder pad geometry



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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
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	32e7143b-a50f-400d-b44f-4e016be071f6

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