

# RC-09S1N124000 - Device connector rear mounting



1595843

<https://www.phoenixcontact.com/us/products/1595843>

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The figure shows the 12-pos.  
product version

M23, Device connector rear mounting, application: Signal, series: RC, straight, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240652

## Commercial data

Item number	1595843
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356208543
Weight per piece (including packing)	32.98 g
Weight per piece (excluding packing)	32.98 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connector (cable-side)
Thread type	M23

### Material specifications

Flammability rating according to UL 94	V0
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### Connection data

#### Conductor connection

Connection method	Solder connection
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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 cup
Contact switching type	Socket
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
Litz wires Min. cross section (Contact group 1)	0.08 mm <sup>2</sup>
Litz wires Max. cross section (Contact group 1)	2.5 mm <sup>2</sup>
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
Litz wires Max. cross section (Contact group 2)	1 mm <sup>2</sup>
Rated current Contact (Contact group 2)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

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## Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Rear mounting/square flange (4x M2,5)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67
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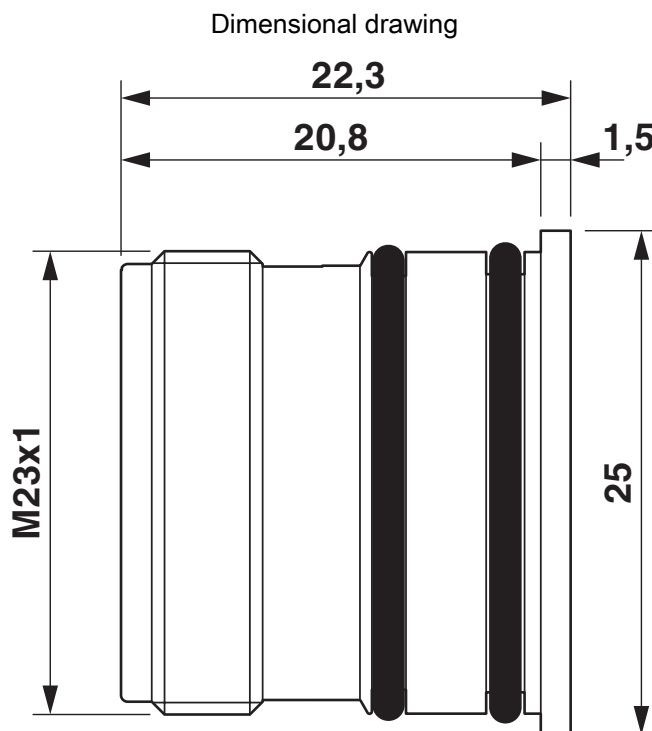
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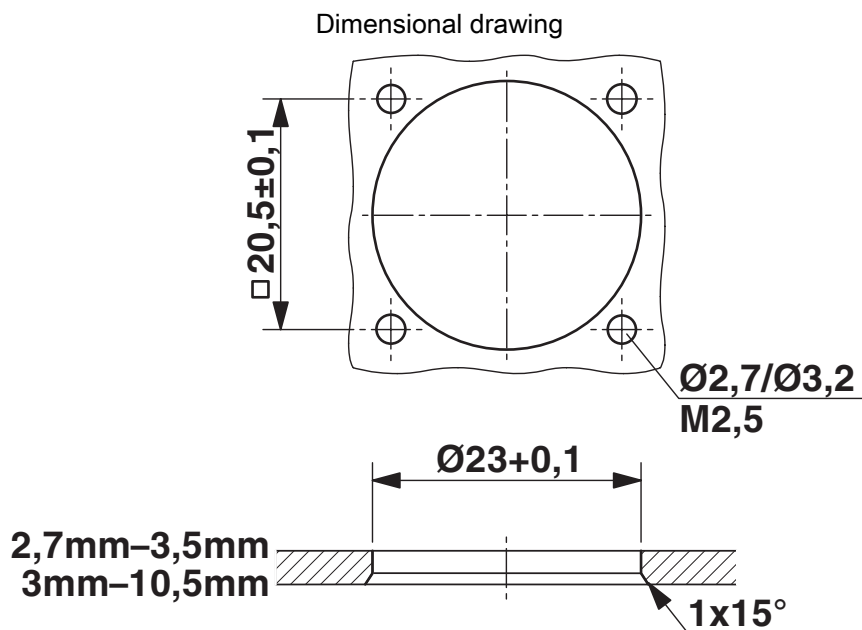
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## Drawings



Dimensional drawing

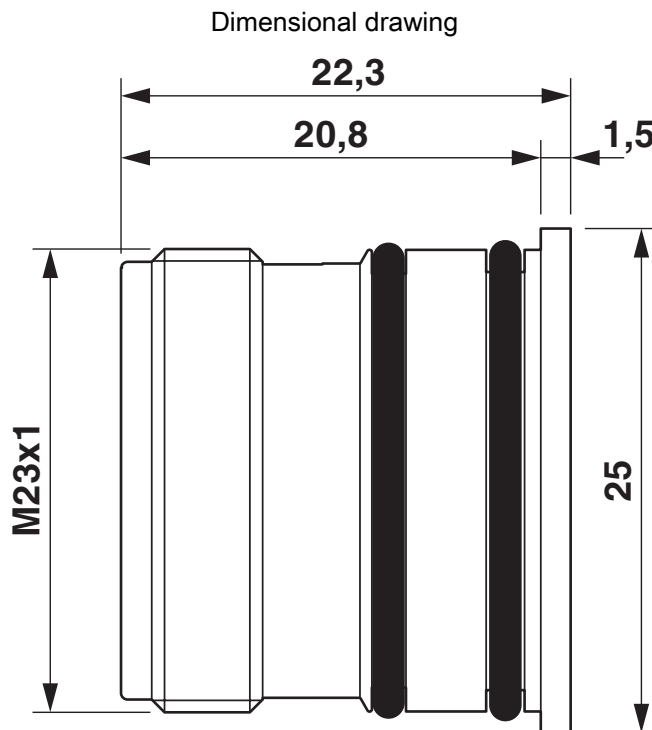


Installation dimensions

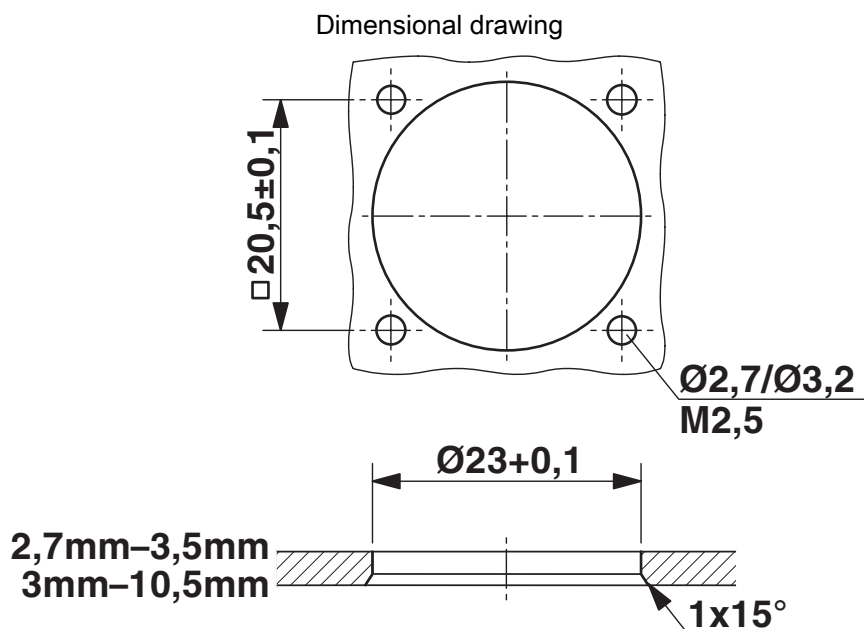
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Dimensional drawing

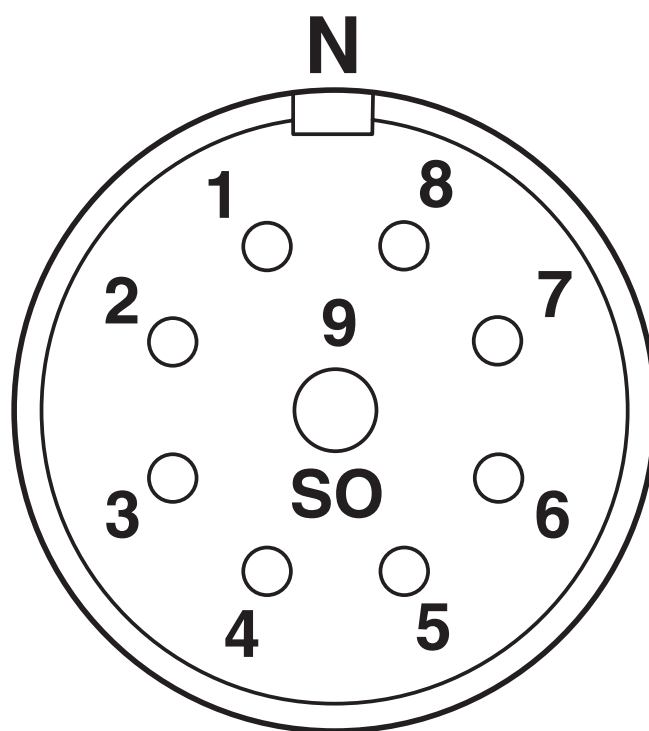


Installation dimensions

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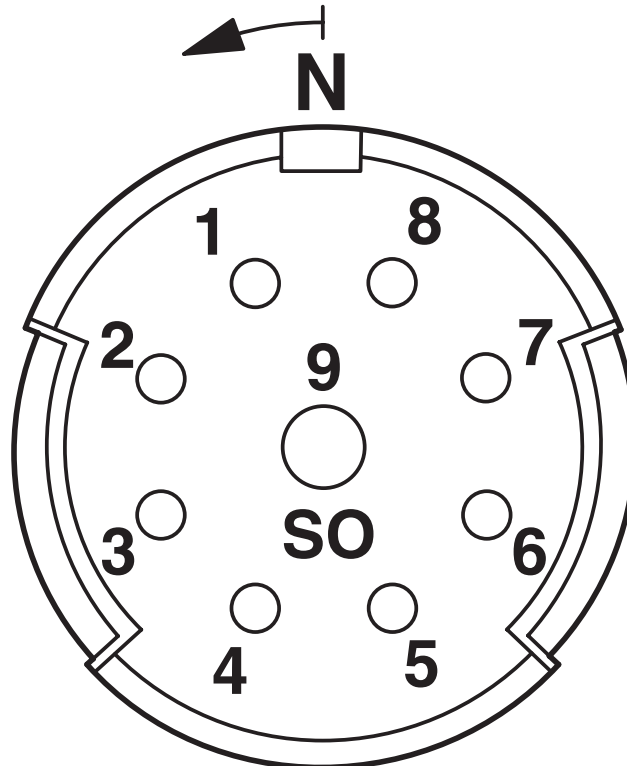
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Schematic diagram



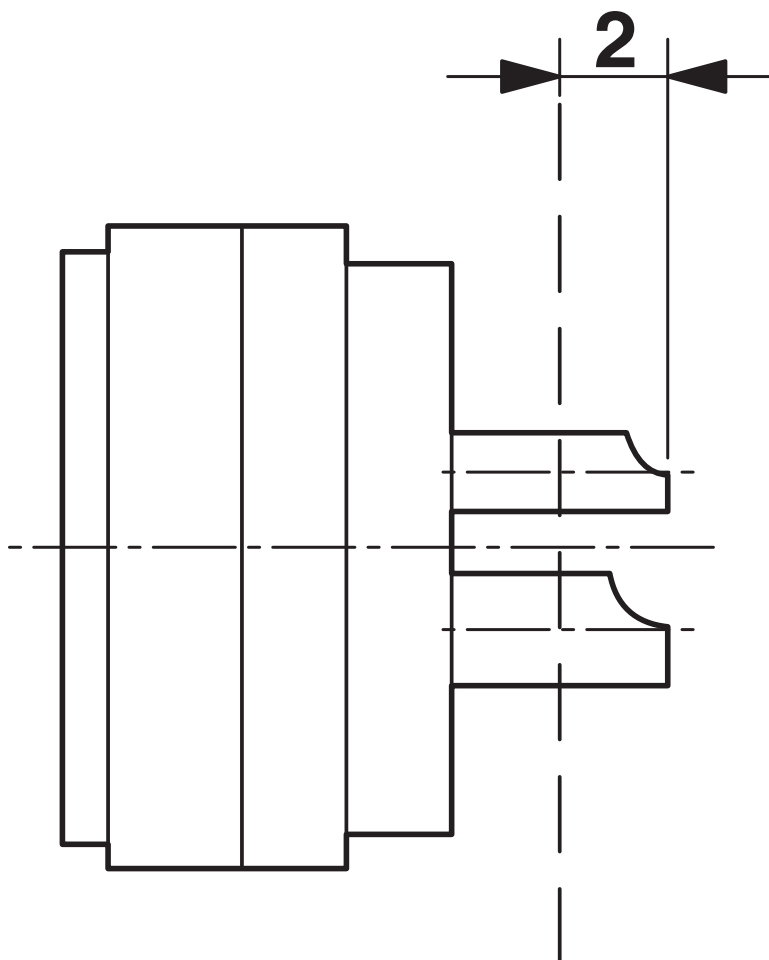
Connector pin assignment

Schematic diagram



Connector pin assignment

Schematic diagram



Dimensional drawing

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## Classifications

### 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	22cdec8c-ff7c-42f9-82fa-511ef5b446dc

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