

# RC-12P1NC24100 - Device connector rear mounting



1597664

<https://www.phoenixcontact.com/us/products/1597664>

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M23, Device connector rear mounting, application: Signal, series: RC, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Pin, Solder-in connection, Flat gasket, Panel thickness min.: 2.7 mm, Panel thickness max.: 3.5 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	1597664
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356217415
Weight per piece (including packing)	38.17 g
Weight per piece (excluding packing)	34.571 g
Country of origin	DE

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## Technical data

### Product properties

Product type	Circular connectors (device side)
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### 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	Pin
Application	Signal
Number of positions	12
Direction of rotation	Standard
Connection profile	12
Number (Contact group 1)	12
Contact diameter (Contact group 1)	1 mm
Rated current Contact (Contact group 1)	8 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
Pg screw connection	none
Mounting type	Rear mounting/square flange (4x M3)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

### Environmental and real-life conditions

#### Ambient conditions

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Degree of protection	IP67
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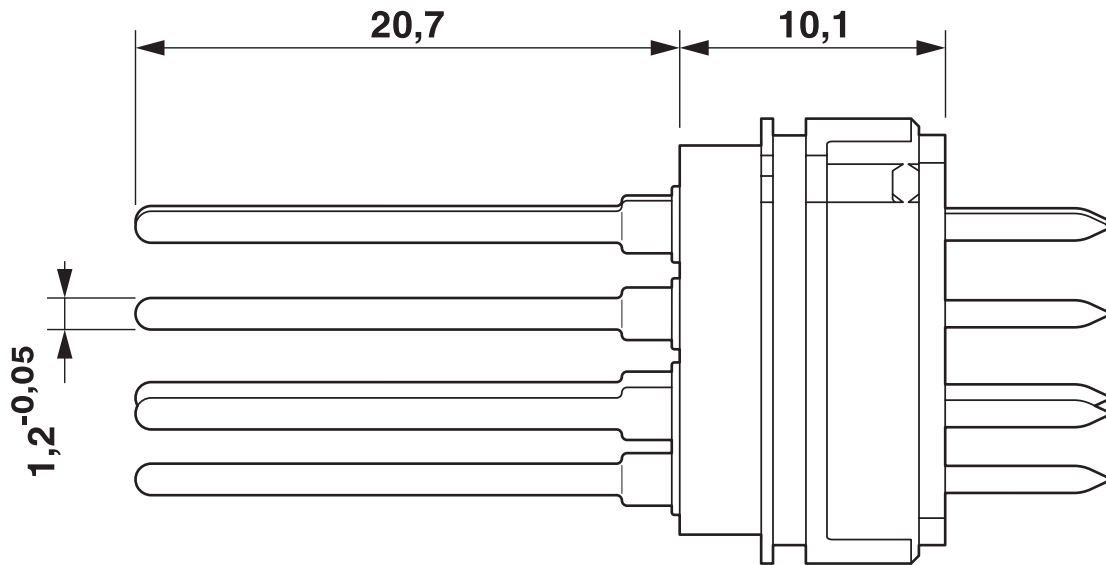


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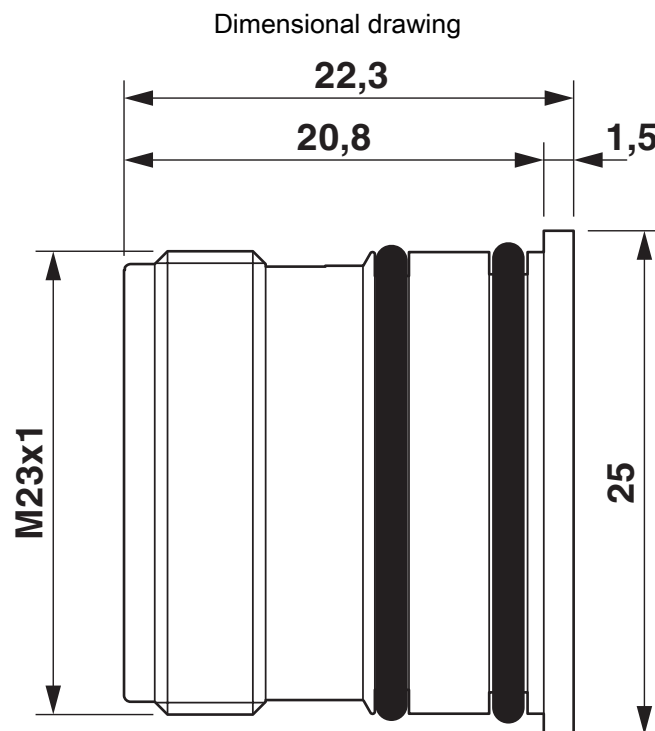
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## Drawings

Dimensional drawing



Dimensional drawing



Dimensional drawing

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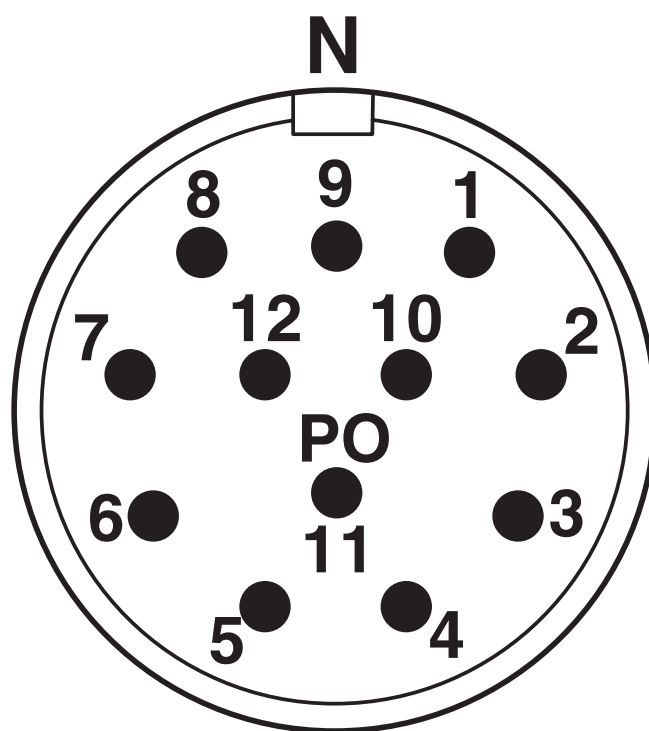
Installation dimensions

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Schematic diagram



Connector pin assignment

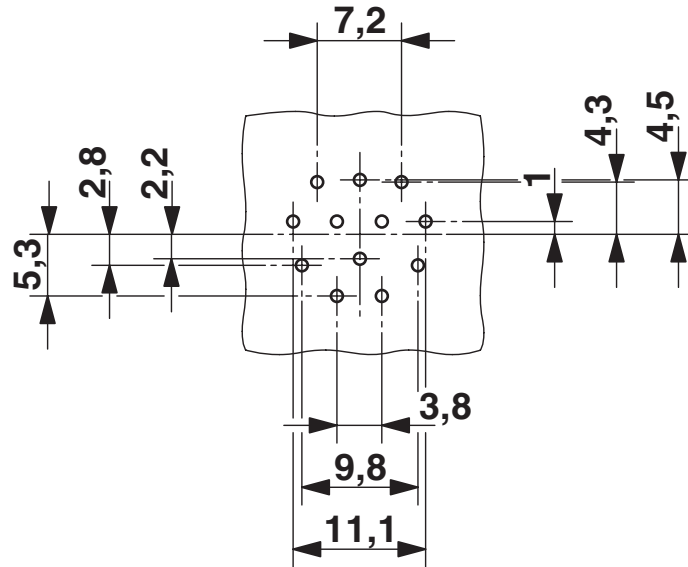
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Drilling plan/solder pad geometry



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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	5aa1b0e1-4d19-495e-9313-c2a0091dae1f

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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)