

1594508
<https://www.phoenixcontact.com/us/products/1594508>

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M23, Device connector rear mounting, series: RC, straight, Screw locking mechanism, No. of pos.: 7, 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 item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1594508
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356879330
Weight per piece (including packing)	40.035 g
Weight per piece (excluding packing)	35.971 g
Country of origin	DE

RC-07P1NC24100 - Device connector rear mounting



1594508

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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
Insertion/withdrawal cycles	100
Connection method	Solder-in connection
Contact switching type	Pin
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Number Contact (Contact group 1)	7
Diameter Contact (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A
Rated voltage Contact (Contact group 1)	300 V
Rated surge voltage	2.5 kV
Overvoltage category	II
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

Degree of protection	IP67
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RC-07P1NC24100 - Device connector rear mounting

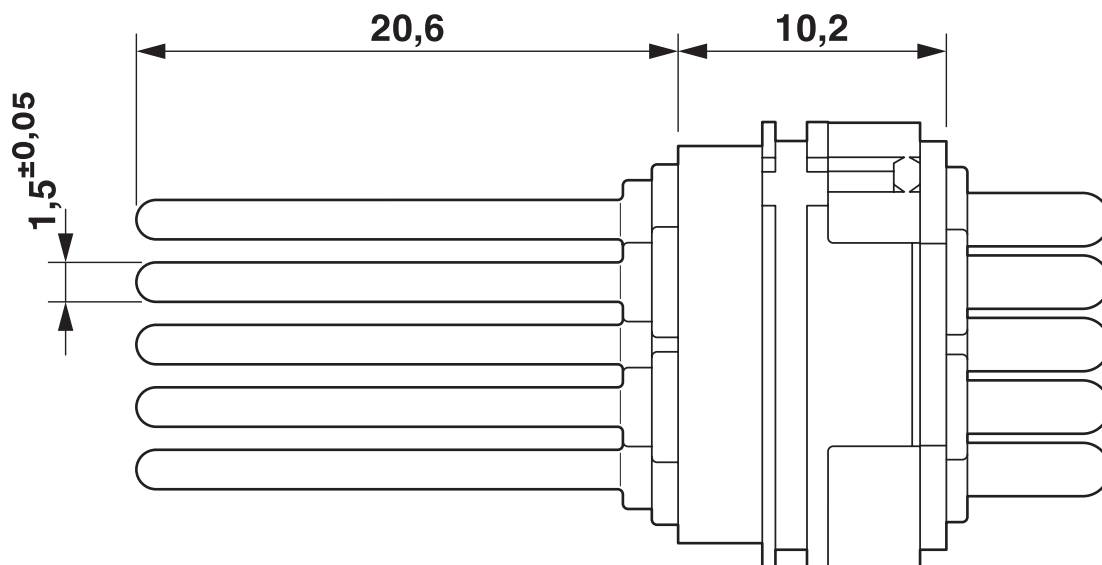


1594508

<https://www.phoenixcontact.com/us/products/1594508>

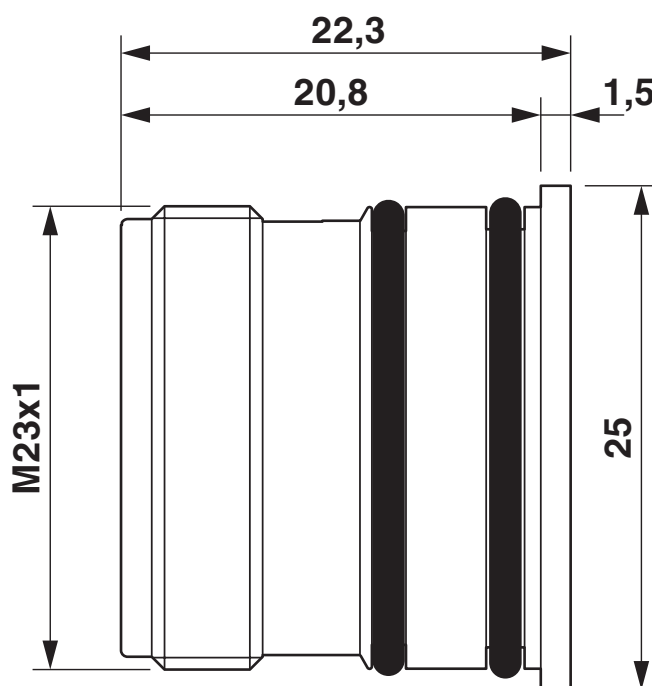
Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing



Dimensional drawing

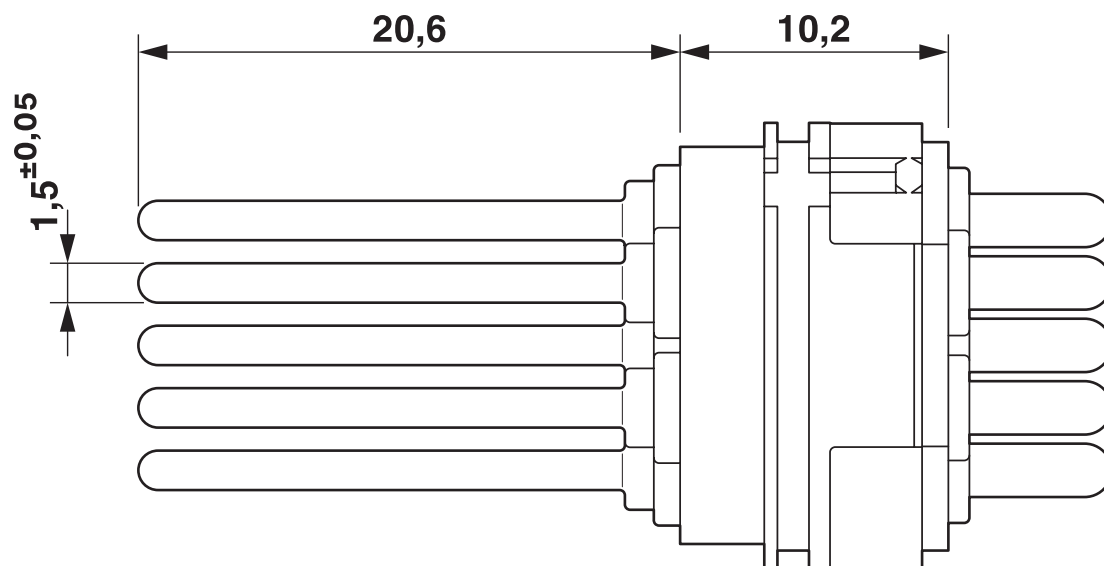
RC-07P1NC24100 - Device connector rear mounting



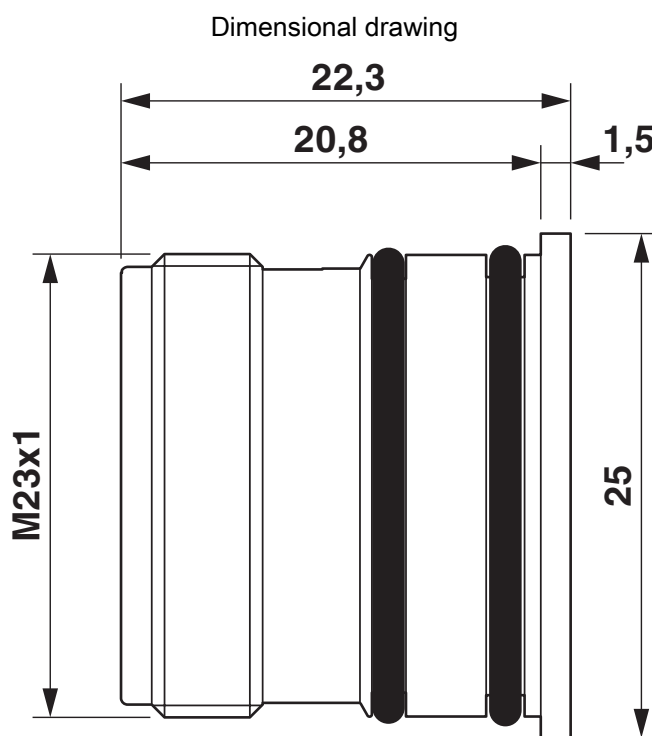
1594508

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Dimensional drawing



Dimensional drawing



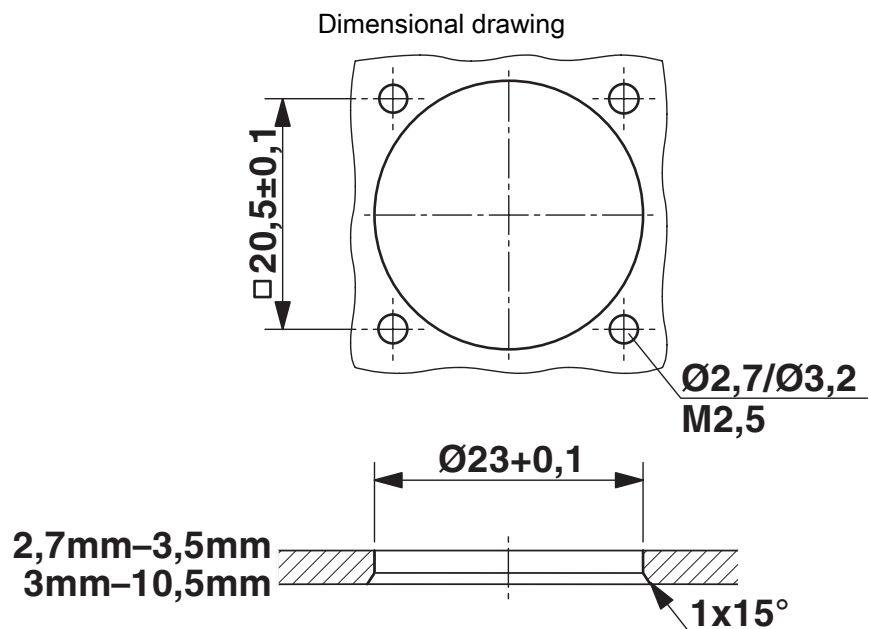
Dimensional drawing

RC-07P1NC24100 - Device connector rear mounting



1594508

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Installation dimensions

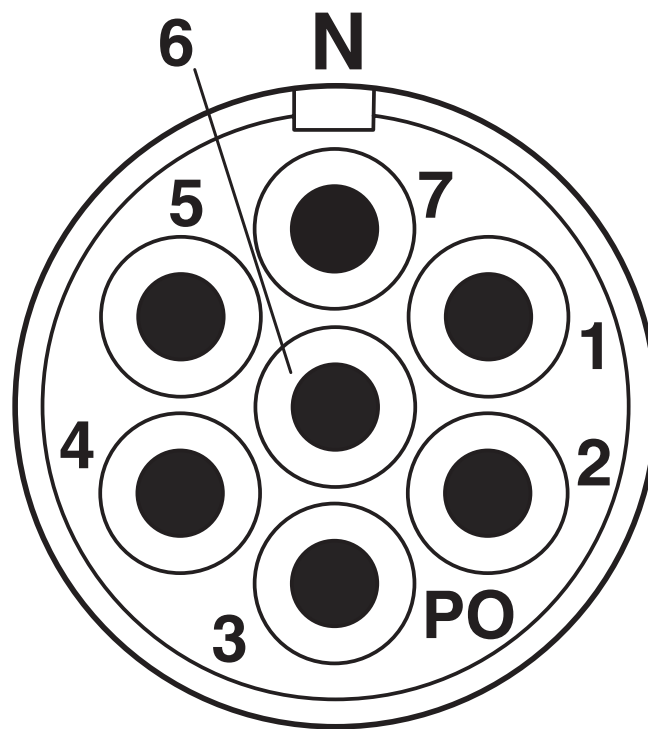
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1594508

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Schematic diagram



Connector pin assignment

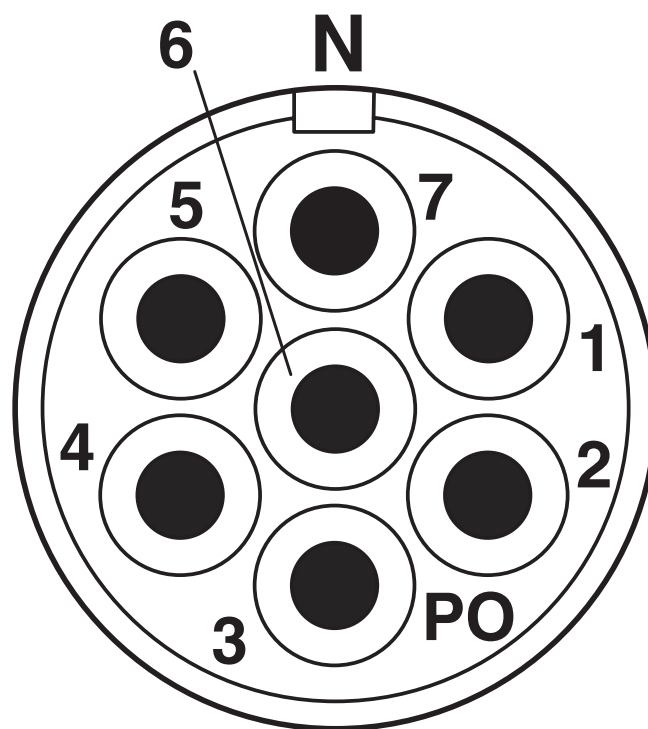
RC-07P1NC24100 - Device connector rear mounting

1594508

<https://www.phoenixcontact.com/us/products/1594508>



Schematic diagram



Connector pin assignment

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1594508

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Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 9.0	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: n/a)
SCIP	2bd71d89-c741-4ca2-93b1-d61263c3877e

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