

1600859
<https://www.phoenixcontact.com/us/products/1600859>

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M23, Device connector rear mounting, series: RC, straight, Screw locking mechanism, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Radial O-ring, Panel thickness min.: 2.7 mm, Panel thickness max.: 3.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241263

Commercial data

Item number	1600859
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356232142
Weight per piece (including packing)	33.725 g
Weight per piece (excluding packing)	33.725 g
Country of origin	DE

RC-16S1N124300 - Device connector rear mounting



1600859

<https://www.phoenixcontact.com/us/products/1600859>

Technical data

Product properties

Product type	Circular connectors (device 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
Contact material	CuZn
Contact surface material	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	16
Direction of rotation	Standard
Connection profile	16
Number Contact (Contact group 1)	16
Diameter Contact (Contact group 1)	1 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (Contact group 1)	1 mm ²
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

Thread type	M23
Type of locking	Screw locking mechanism
Pg screw connection	none
Housing material	Metal
Degree of protection (plugged in)	IP67

RC-16S1N124300 - Device connector rear mounting



1600859

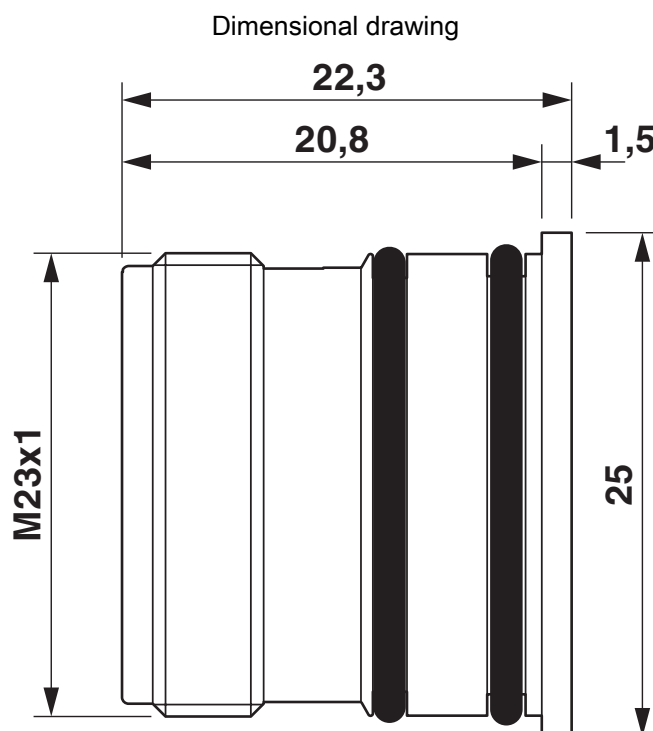
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Environmental and real-life conditions

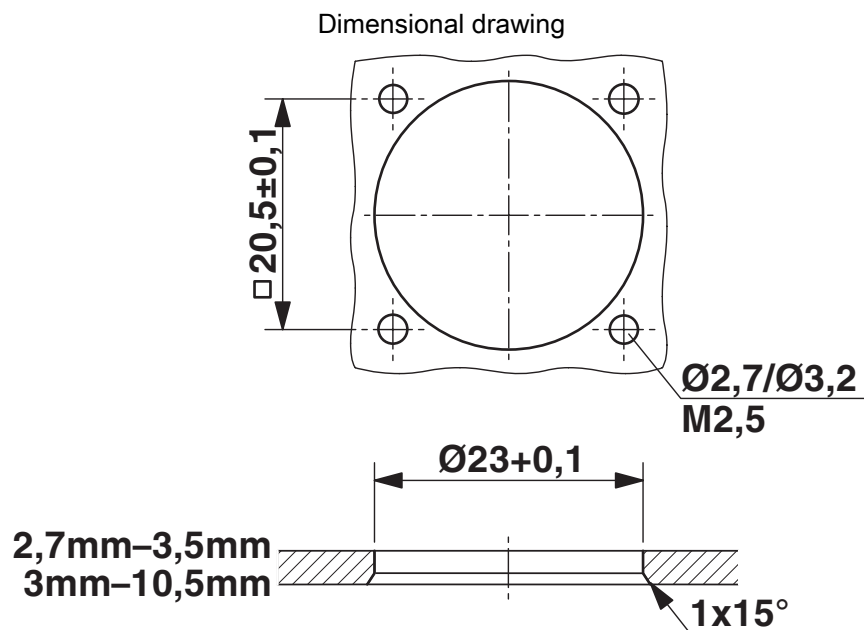
Ambient conditions

Degree of protection	IP67
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Drawings



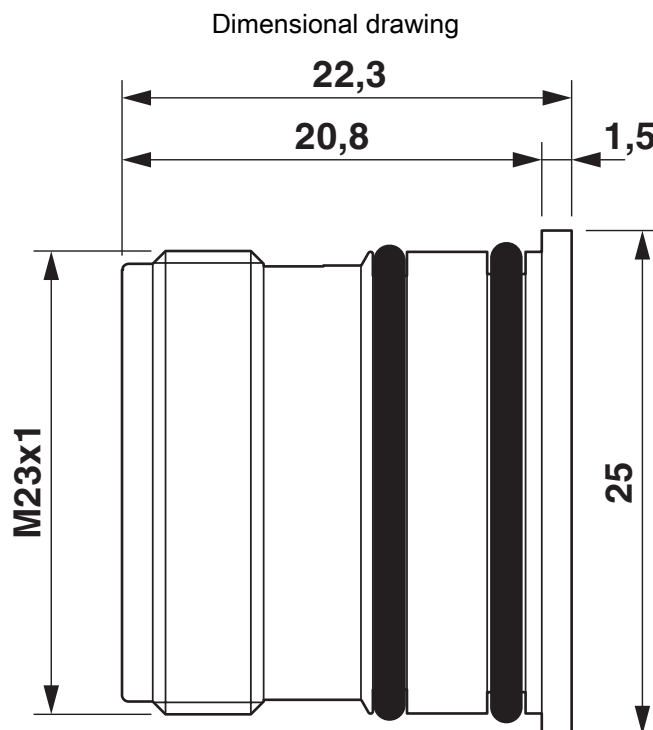
Dimensional drawing



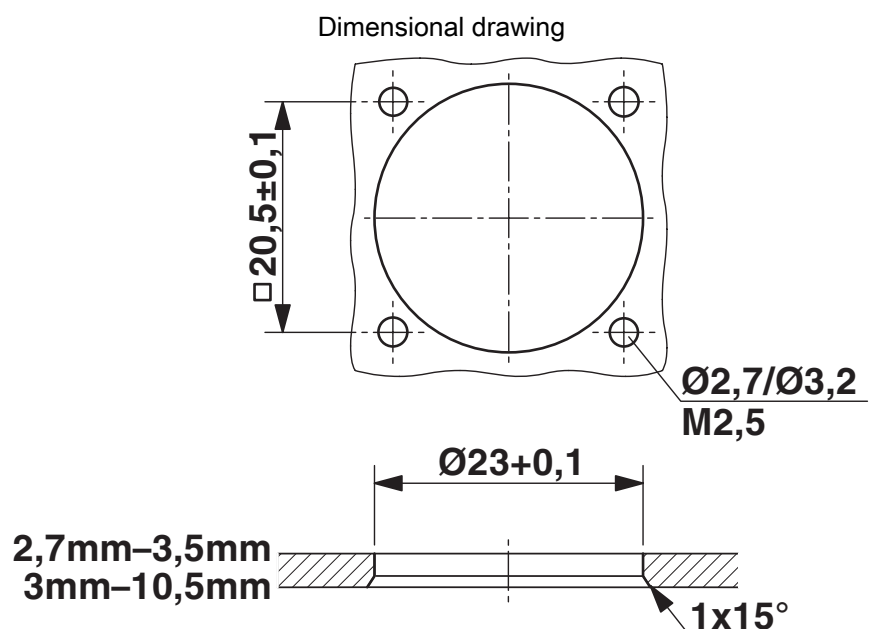
Installation dimensions

1600859

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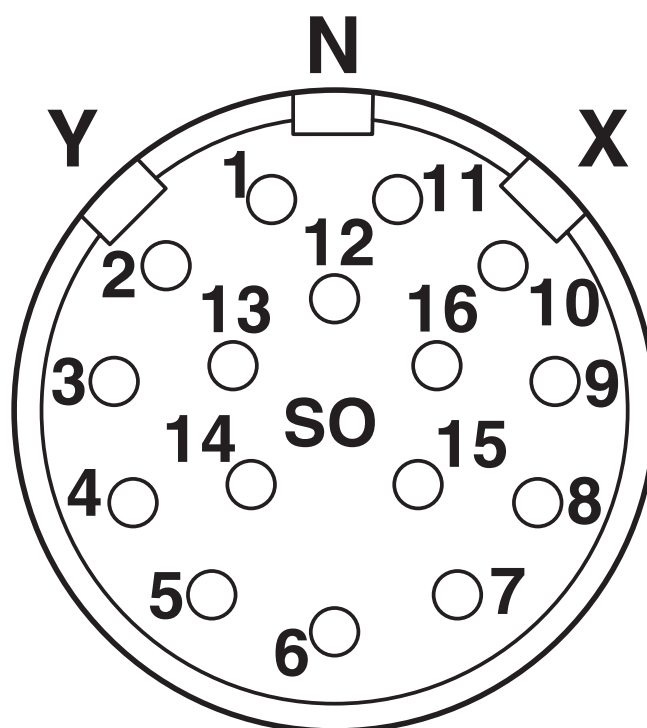


Dimensional drawing



Installation dimensions

Schematic diagram

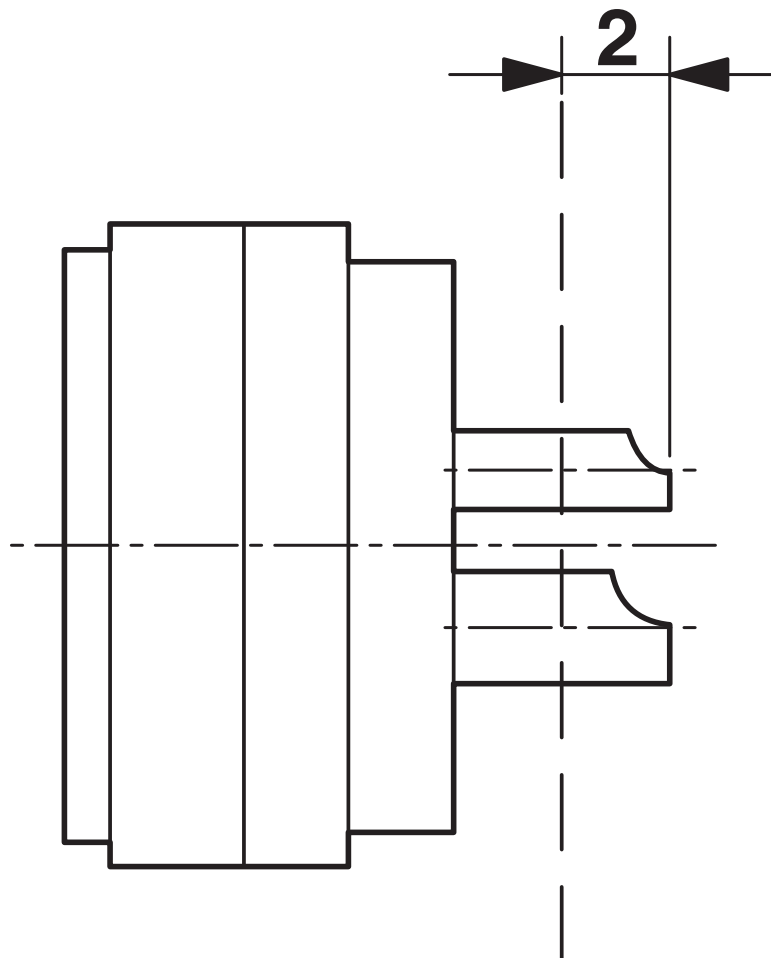


Connector pin assignment

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Schematic diagram



Dimensional drawing

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1600859

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Classifications

ETIM

ETIM 8.0	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	f52a72db-9da8-4a67-9ef1-76d62685f710

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