RC-12S1N8A4100L - Device connector rear mounting

1599164

https://www.phoenixcontact.com/us/products/1599164

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The figure shows the product with assembled crimp contacts. Please order crimp contacts separately.

M23, Device connector rear mounting, application: Signal, series: RC, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Crimp 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	1599164
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFR
GTIN	4046356224376
Weight per piece (including packing)	34.97 g
Weight per piece (excluding packing)	28.481 g
Country of origin	DE

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately

Product properties

Product type	Circular connectors (device side)

Material specifications

Flammability rating according to UL 94	V0

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 1 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
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

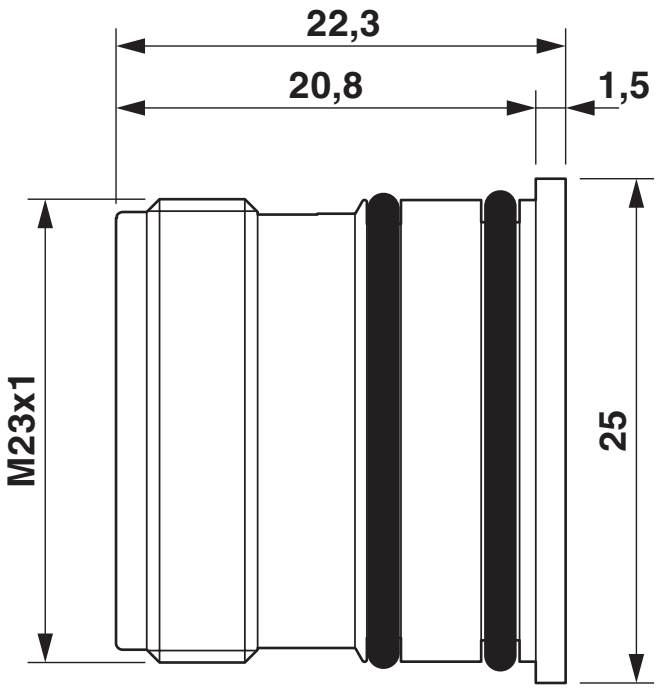
Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67

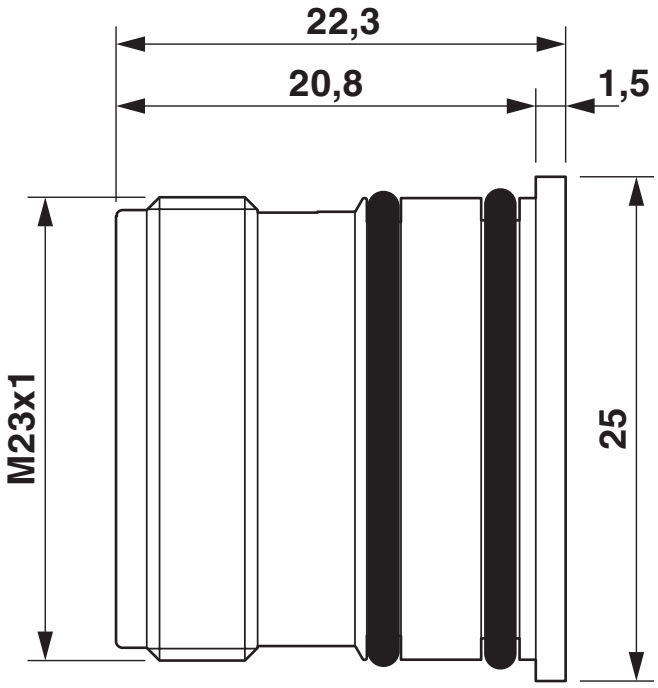
Drawings

Dimensional drawing



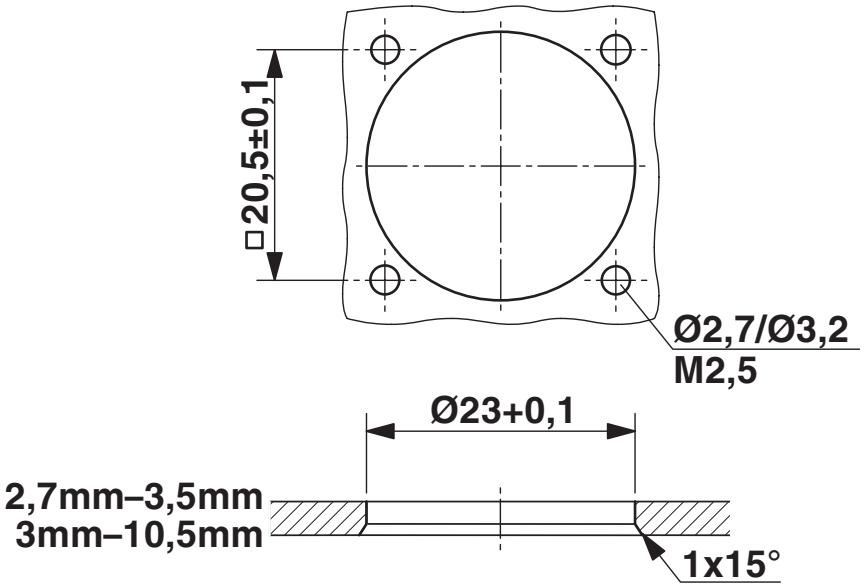
Dimensional drawing

Dimensional drawing



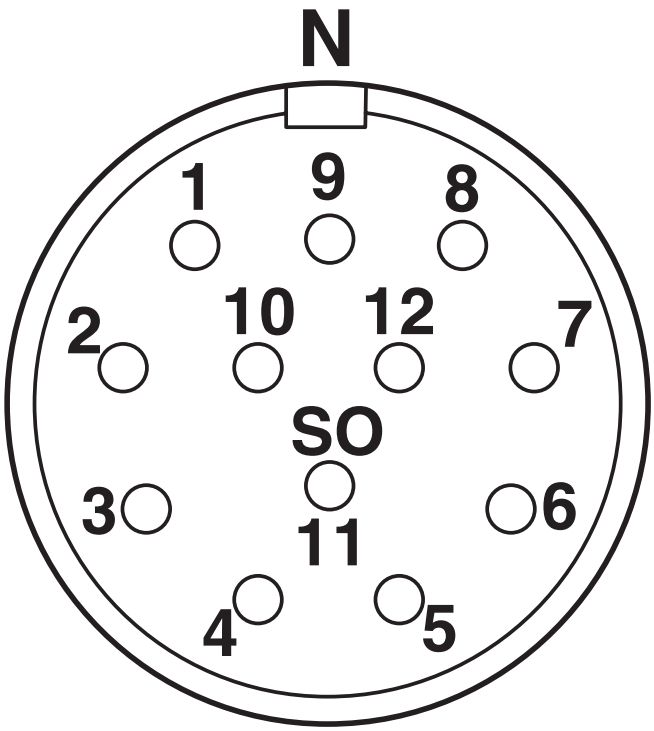
Dimensional drawing

Dimensional drawing



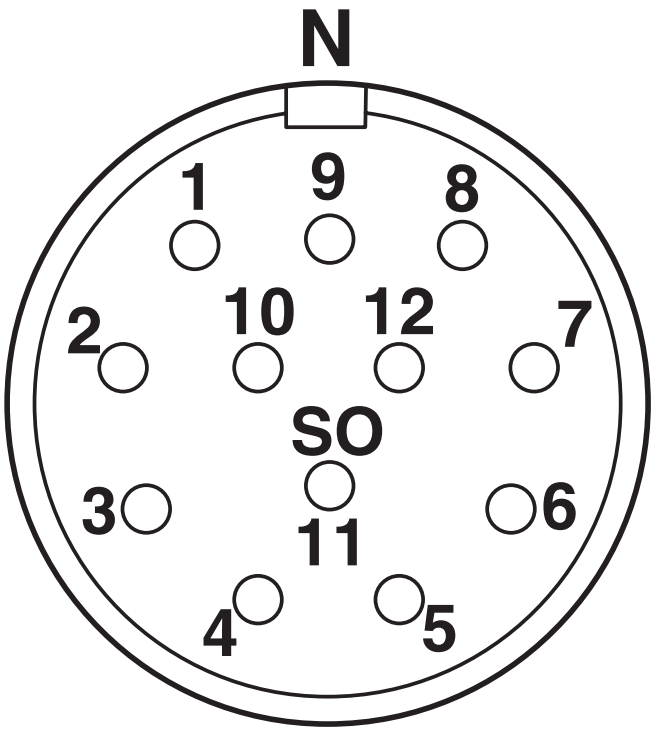
Installation dimensions

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

Classifications

ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

ETIM

ETIM 10.0	EC003569

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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