

1596314

<https://www.phoenixcontact.com/us/products/1596314>

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M23, Device connector front mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, Flat gasket, coding: N

Commercial data

Item number	1596314
Packing unit	40 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFL
GTIN	4046356210577
Weight per piece (including packing)	28.73 g
Weight per piece (excluding packing)	27.07 g
Country of origin	DE

RC-09S1N8A2300 - Device connector front mounting



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Technical data

Notes

Order information:	Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
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Product properties

Product type	Circular connectors (device side)
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Connector

Insulating body

Note	Order information: Order crimp contacts 8 x Ø 1 mm, 1 x Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number Contact (Contact group 1)	1
Diameter Contact (Contact group 1)	2 mm
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 (Contact group 2)	8
Diameter Contact (Contact group 2)	1 mm
Rated current Contact (Contact group 2)	8 A
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

Housing

Type	Flange housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
Material (Housing)	Metal
Degree of protection (plugged in)	IP67
Seal for the device	Flat gasket

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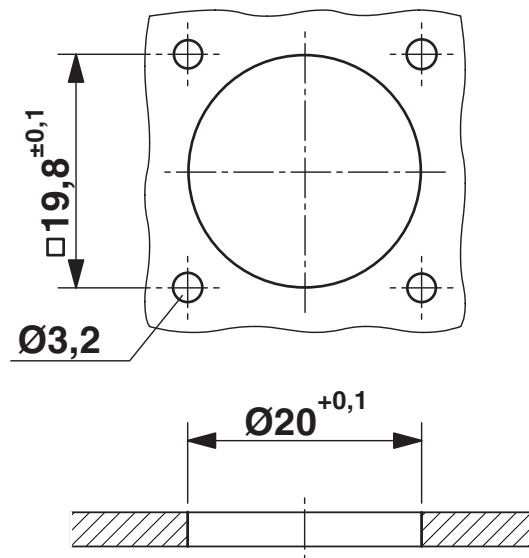
Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
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Drawings

Dimensional drawing

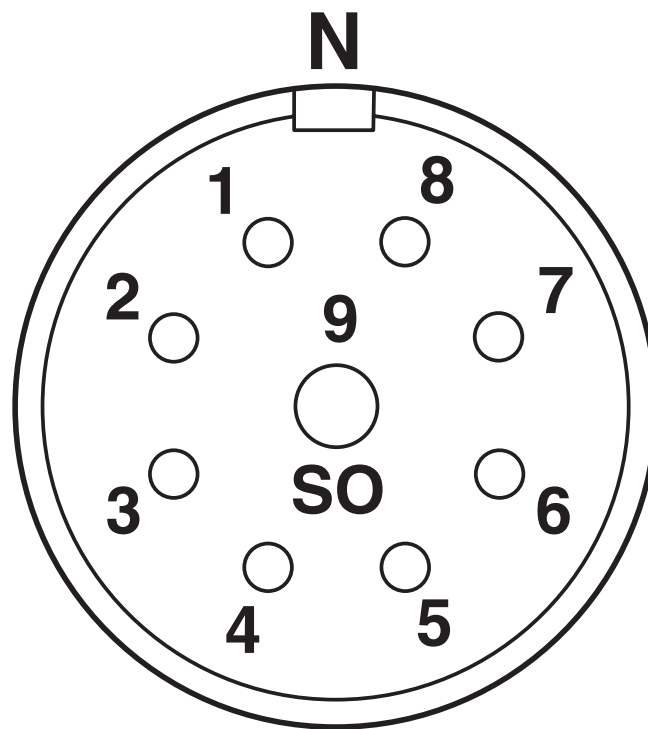


Installation dimensions

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Schematic diagram

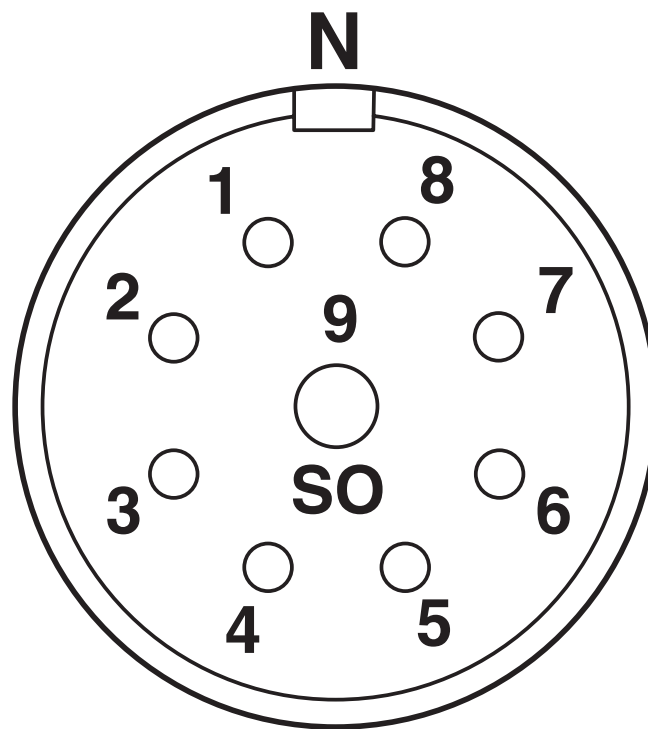


Connector pin assignment

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Schematic diagram

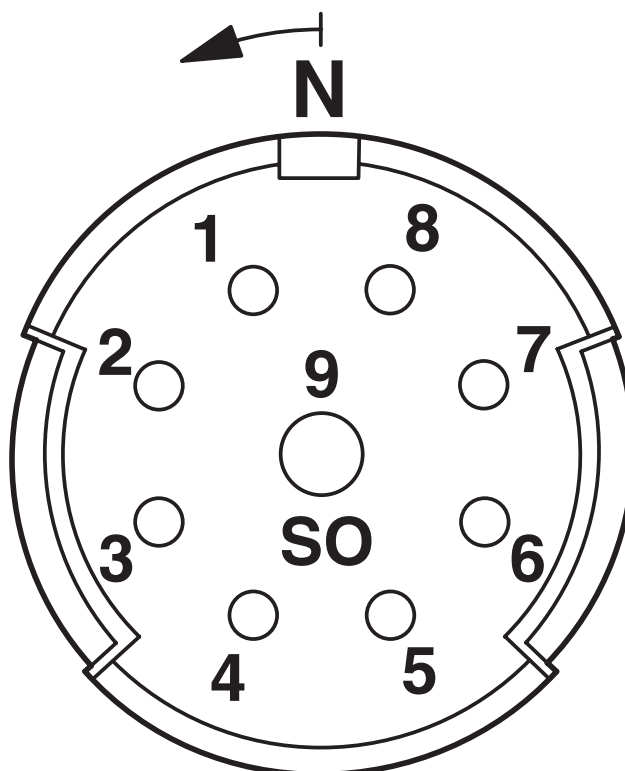


Connector pin assignment

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Schematic diagram



Connector pin assignment

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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: 7439-92-1)
SCIP	919934fe-e164-40ef-a1eb-8196a923aefe

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