

# RC-12S2N8AQ3Q9 - Device connector rear mounting



1618140

<https://www.phoenixcontact.com/us/products/1618140>

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M23, Device connector rear mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Crimp connection, Axial O-ring, Panel thickness min.: 0.8 mm, Panel thickness max.: 6.5 mm, cable diameter range: 9.5 mm ... 10.5 mm, coding: N

## Commercial data

Item number	1618140
Packing unit	12 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFJ
GTIN	4046356878555
Weight per piece (including packing)	109.9 g
Weight per piece (excluding packing)	109.9 g
Country of origin	DE

1618140

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### Product properties

Product type	Circular connector (cable-side)
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### 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	Counter direction
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

Order information:	Order contact inserts and cable clamping/shield accessories separately
Type	Feed-through header
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Mounting type	Rear mounting (Pg13,5)
Assembly note	Central fastening
Degree of protection (plugged in)	IP67
Seal for the device	Axial O-ring

#### Seal

External cable diameter	9.5 mm ... 10.5 mm
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## Environmental and real-life conditions

### Ambient conditions

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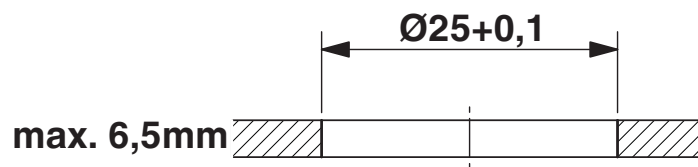
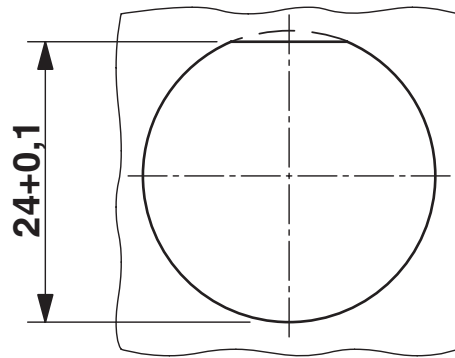


1618140

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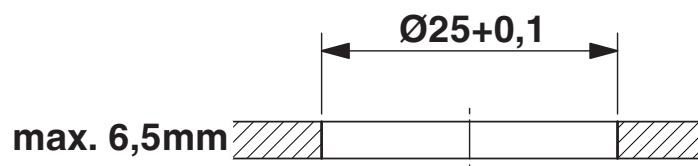
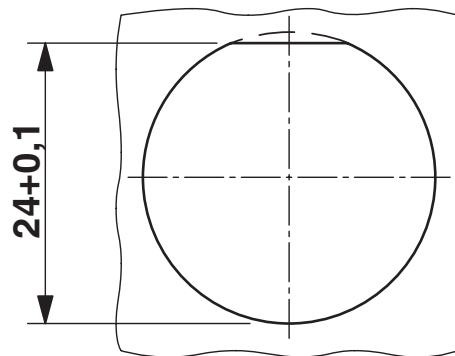
## Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

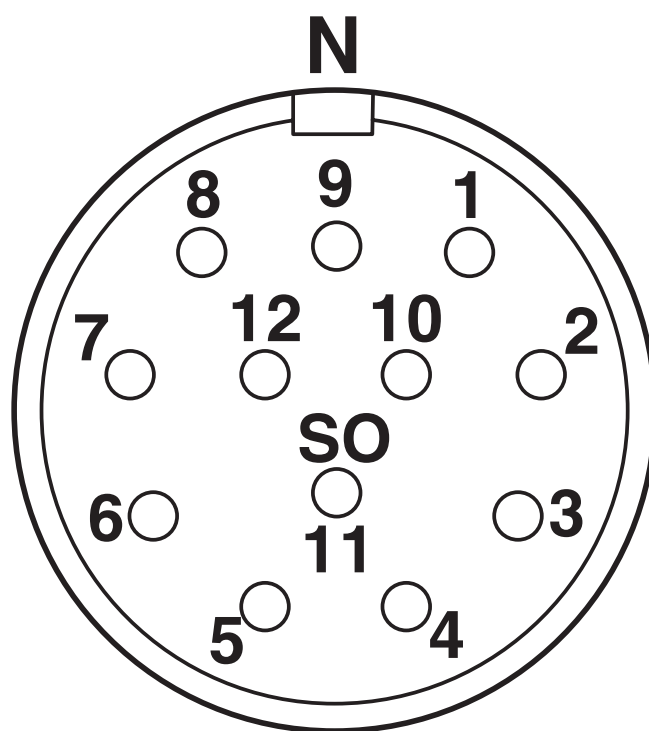


Installation dimensions

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Schematic diagram

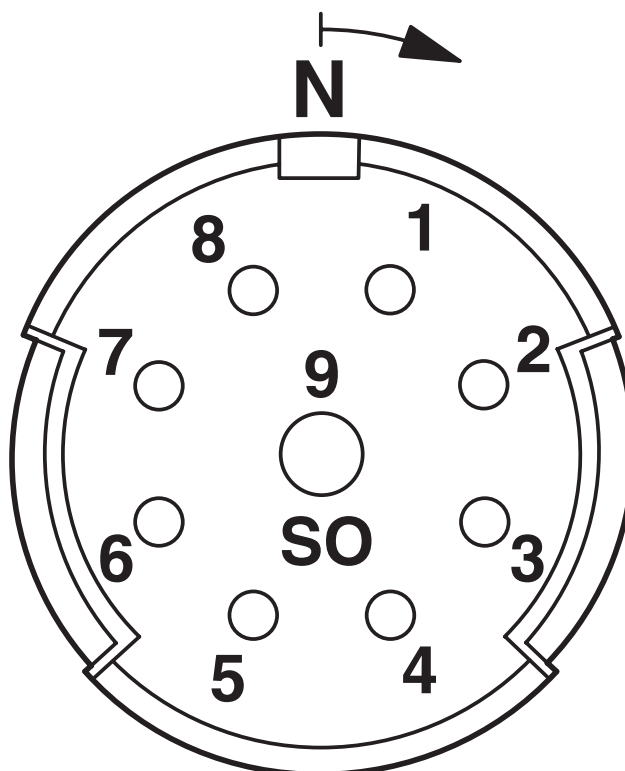


Connector pin assignment

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Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0

27440116

### UNSPSC

UNSPSC 21.0

39121400

1618140

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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	334486c8-3422-41d4-b743-9b9cdf85def5

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