

# RC-12S2N8A80G5X - Cable connector



1241178

<https://www.phoenixcontact.com/us/products/1241178>

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M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Socket, Crimp connection, cable diameter range: 6.5 mm ... 7.5 mm, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

The figure shows the 12-pos. product version with standard contact chamber numbering

## Commercial data

Item number	1241178
Packing unit	20 pc
Minimum order quantity	1 pc
Product key	ABRAFA
GTIN	4063151440428
Weight per piece (including packing)	78.75 g
Weight per piece (excluding packing)	66.863 g
Country of origin	DE

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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)
Number of positions	12

### Material specifications

Housing material	Metal
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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

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65 IP67 IP68

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## Seal

External cable diameter	6.5 mm ... 7.5 mm
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## Environmental and real-life conditions

### Ambient conditions

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

Schematic diagram



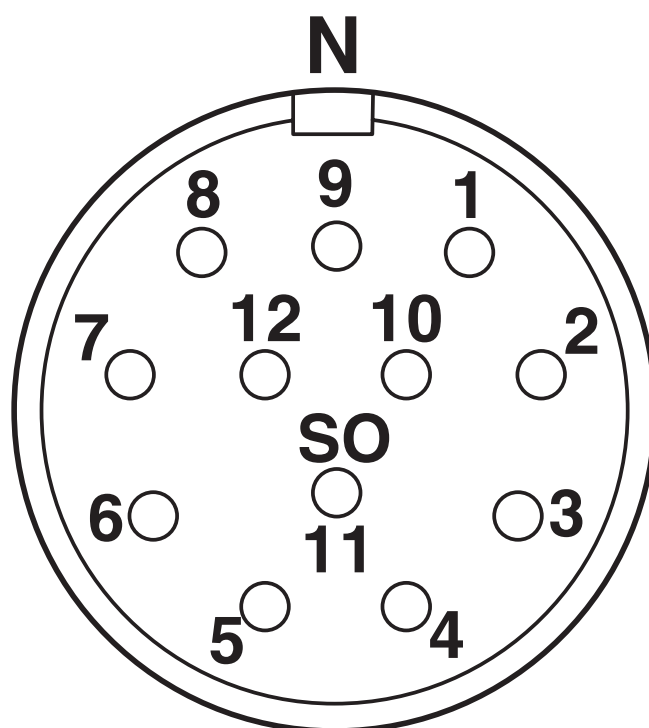
Connector pin assignment

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Schematic diagram



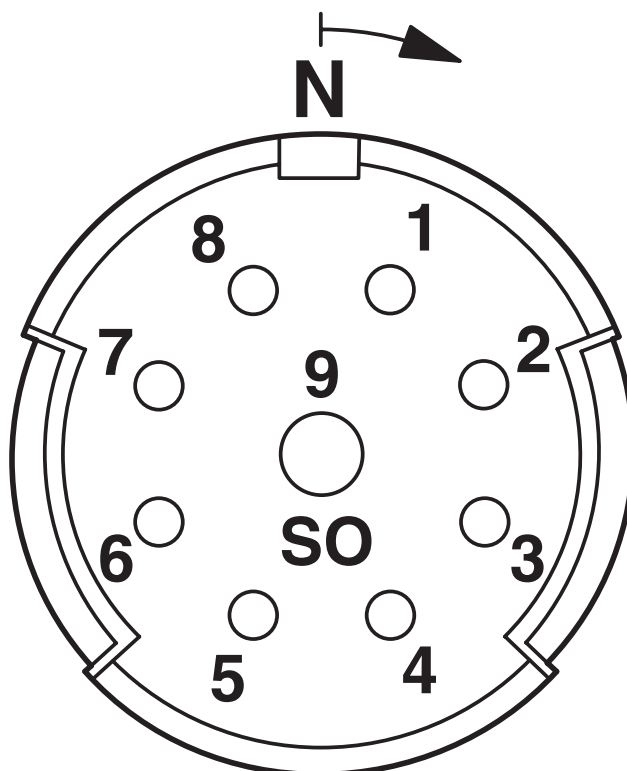
Connector pin assignment

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Schematic diagram



Connector pin assignment

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## Classifications

### ECLASS

ECLASS-13.0

27440116

### ETIM

ETIM 9.0

EC002635

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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