

# RC-12S2N8D0000 - Contact insert



1600231

<https://www.phoenixcontact.com/us/products/1600231>

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Contact insert, M23, number of positions: 12, contact connection type: Socket, Crimp connection, series: NC, RC, RM, TU, UC, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241198

## Commercial data

Item number	1600231
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFU
GTIN	4046356229203
Weight per piece (including packing)	11.425 g
Weight per piece (excluding packing)	11.425 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Contact insert
Series	NC
	RC
	RM
	TU
	UC
Application	Signal
Number of positions	12
Connection profile	12
Coding	N
Thread type	M23

### Electrical properties

#### Contact

Contact diameter	1 mm
Min. cross section	0.14 mm <sup>2</sup>
Max. cross section	0.56 mm <sup>2</sup>
Max. current	8 A
Nominal voltage U <sub>N</sub>	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

### Connection data

Connection method	Crimp connection
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### Material specifications

Insulator material	PA66
Contact material	CuZn
Contact surface	Nickel-plated, gold coating

### Connector

Direction of rotation	Counter direction
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### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	50
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### Environmental and real-life conditions

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## Ambient conditions

Ambient temperature (storage/transport)	15 °C ... 25 °C
Permissible humidity (storage/transport)	50 % ... 65 %

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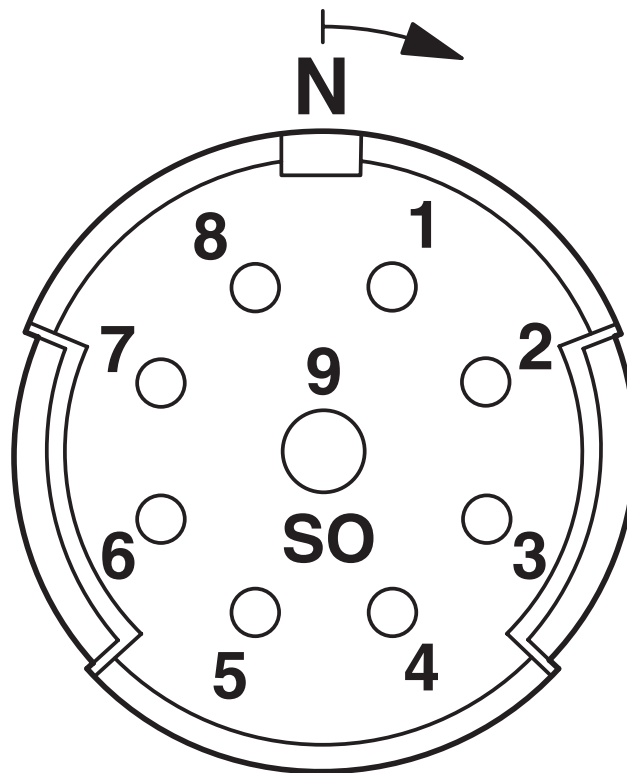
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## Drawings

Schematic diagram



Connector pin assignment

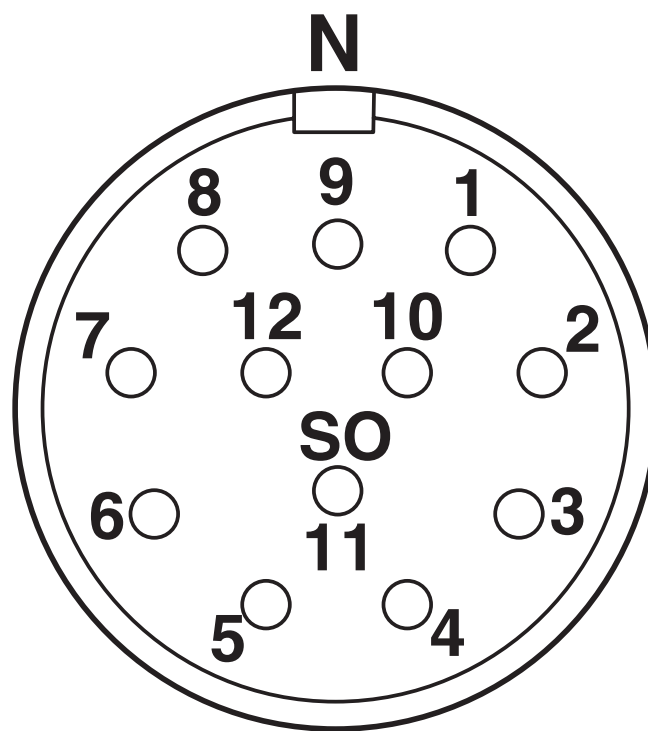
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Schematic diagram



Connector pin assignment

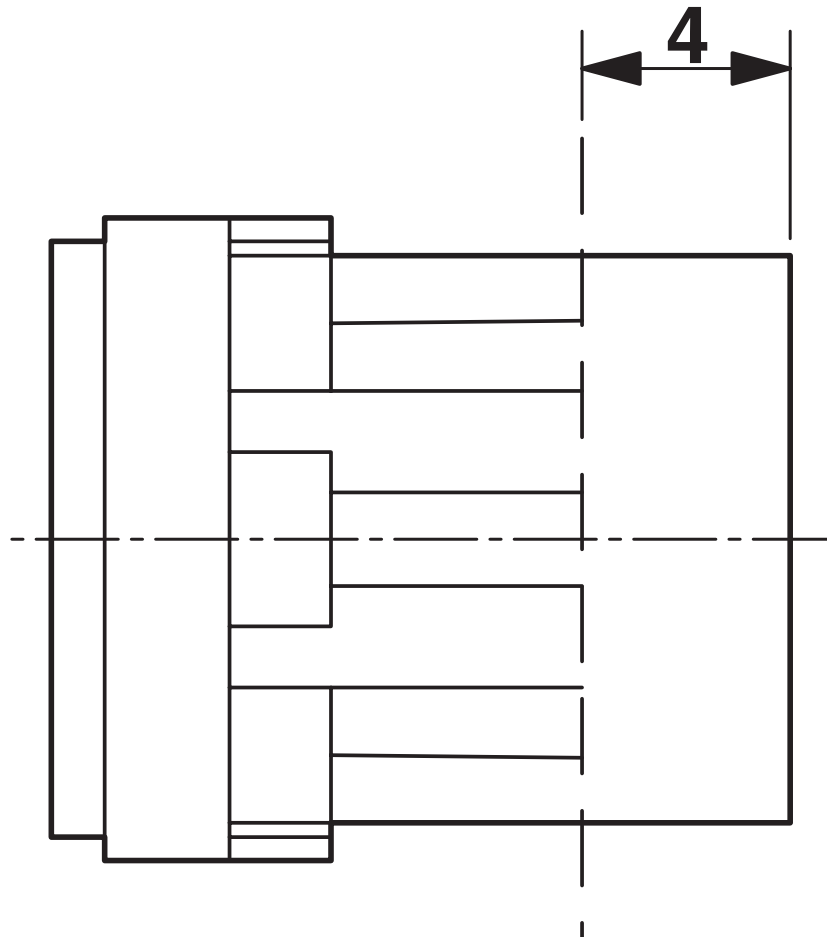
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Schematic diagram



Dimensional drawing

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## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

### ETIM

ETIM 9.0	EC003557
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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	f7c426bd-b79b-4110-b378-f7ac543d57b4

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