

RC-09S1N8C0000 - Contact insert



1596417

<https://www.phoenixcontact.com/us/products/1596417>

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Contact insert, M23, number of positions: 8+1, 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.: 1240705

Commercial data

Item number	1596417
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356211215
Weight per piece (including packing)	12.2 g
Weight per piece (excluding packing)	10.9 g
Customs tariff number	85389099
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	9
Connection profile	8+1
Coding	N
Thread type	M23

Data management status

Article revision	05
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Electrical properties

Contact

Contact diameter	2 mm
Min. cross section	1.5 mm ²
Max. cross section	2.5 mm ²
Max. current	20 A
Nominal voltage U _N	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Contact

Contact diameter	1 mm
Min. cross section	0.14 mm ²
Max. cross section	0.56 mm ²
Max. current	8 A

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

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Direction of rotation	Standard
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Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	50

Environmental and real-life conditions

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

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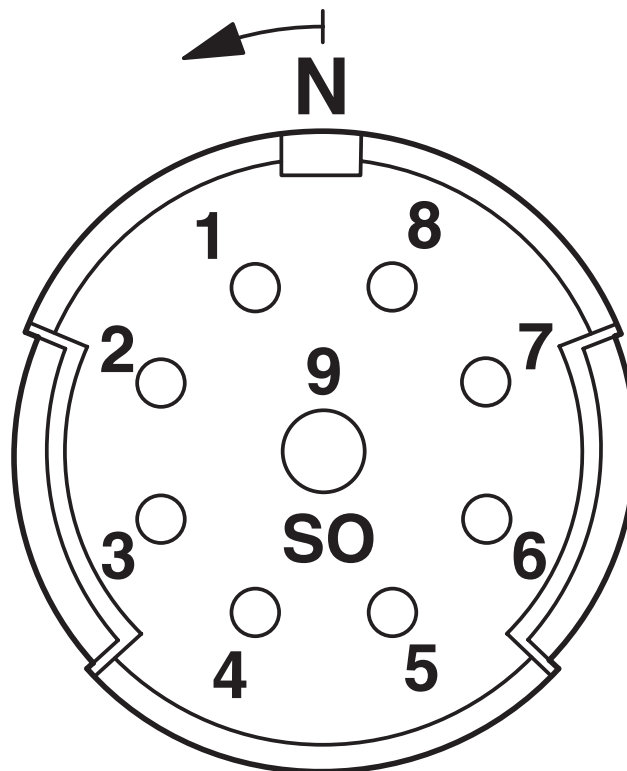
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Drawings

Schematic diagram



Connector pin assignment

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Schematic diagram



Connector pin assignment

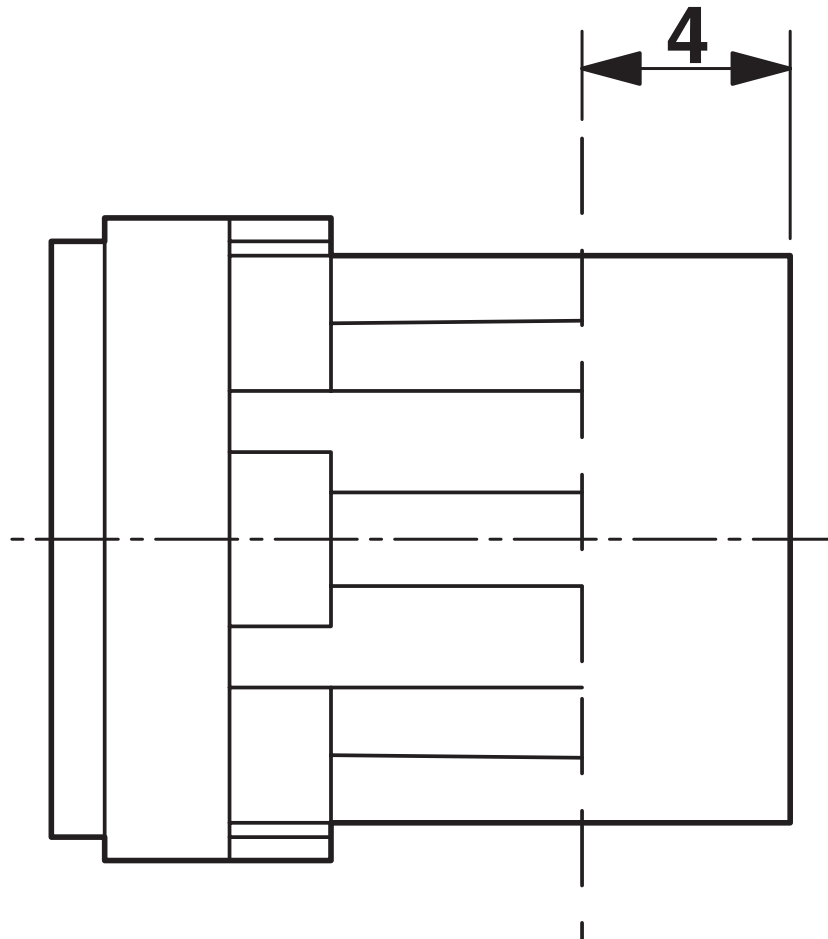
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Schematic diagram



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	8efe72cd-22c6-4027-8cab-ec4c7f4e1f4d

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