

# RC-09S1NS20000 - Contact insert



1596456

<https://www.phoenixcontact.com/us/products/1596456>

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Contact insert, M23, number of positions: 8+1, contact connection type: Socket, Screw connection, series: NC, RC, RM, TU, UC

The figure shows the 6-pos. product version

## Commercial data

Item number	1596456
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	ABRAFU
GTIN	4046356211369
Weight per piece (including packing)	15.376 g
Weight per piece (excluding packing)	15.376 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

### Electrical properties

#### Contact: Contact group 1

Contact diameter	2 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	1 mm <sup>2</sup>
Nominal current I <sub>N</sub>	20 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

#### Contact: Contact group 2

Contact diameter	1 mm
Min. cross section	0.08 mm <sup>2</sup>
Max. cross section	0.75 mm <sup>2</sup>
Nominal current I <sub>N</sub>	8 A
Nominal voltage U <sub>N</sub>	48 V AC
	74 V DC

### Connection data

Connection method	Screw connection
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### Material specifications

Material Insulating body	PBT
Material Contact	Cu/Zn
Material Contact surface	Ni/Au

### Connector

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Direction of rotation	Standard
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	50
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## Drawings

Schematic diagram



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Schematic diagram



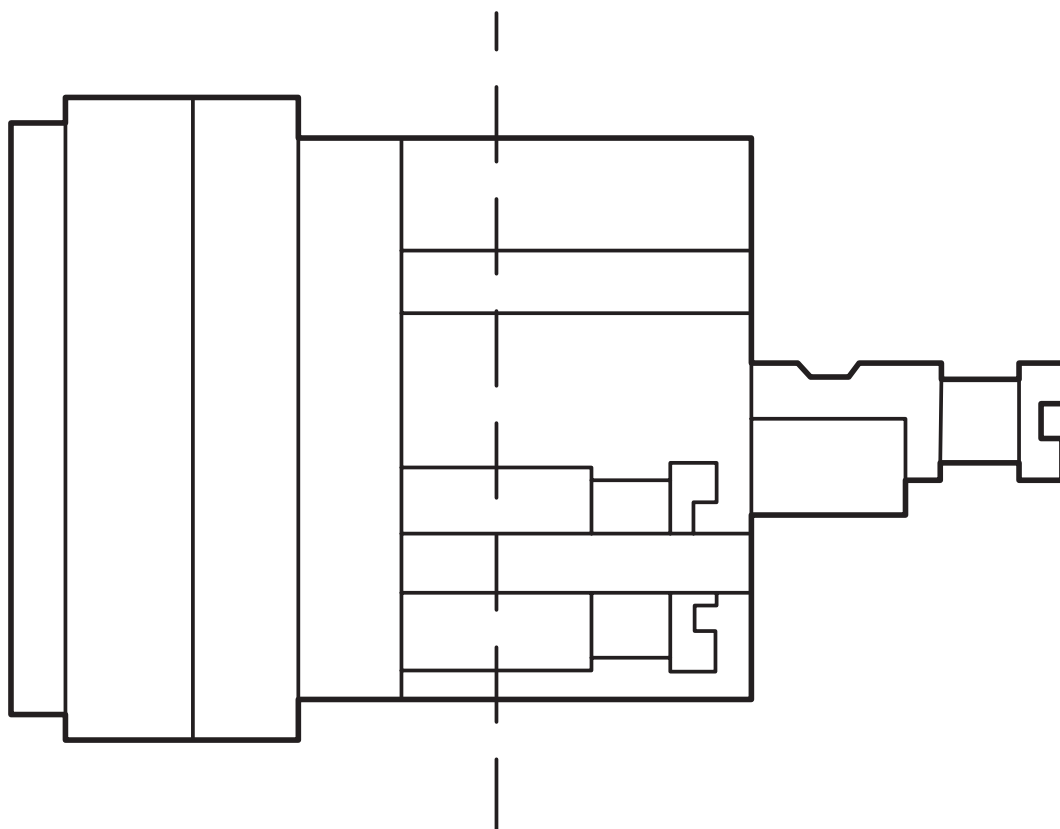
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Schematic diagram



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)