

RC-09S2N120000 - Contact insert

1596535

<https://www.phoenixcontact.com/gb/products/1596535>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact insert, M23, number of positions: 8+1, contact connection type: Socket, Solder cup, series: NC, RC, RM, TU, UC, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

Commercial data

Item number	1596535
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	ABRAFU
Product key	ABRAFU
GTIN	4046356211703
Weight per piece (including packing)	7.36 g
Weight per piece (excluding packing)	4.66 g
Customs tariff number	85366990
Country of origin	DE

RC-09S2N120000 - Contact insert

1596535

<https://www.phoenixcontact.com/gb/products/1596535>



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 ²
Max. cross section	2.5 mm ²
Nominal current I _N	20 A (for max. connection cross section)
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 group 2

Contact diameter	1 mm
Min. cross section	0.08 mm ²
Max. cross section	1 mm ²
Nominal current I _N	8 A
Nominal voltage U _N	48 V AC
	74 V DC

Connection data

Connection method	Solder cup
-------------------	------------

Material specifications

Material Insulating body	PBT
Material Contact	CuZn
Material Contact surface	Ni/Au

Connector

RC-09S2N120000 - Contact insert



1596535

<https://www.phoenixcontact.com/gb/products/1596535>

Direction of rotation	Counter direction
-----------------------	-------------------

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	50

RC-09S2N120000 - Contact insert

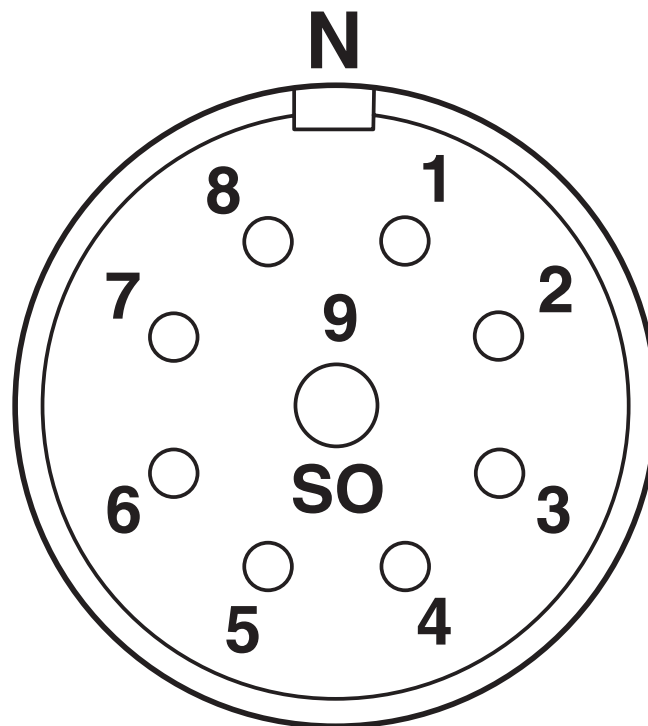
1596535

<https://www.phoenixcontact.com/gb/products/1596535>



Drawings

Schematic diagram



Connector pin assignment

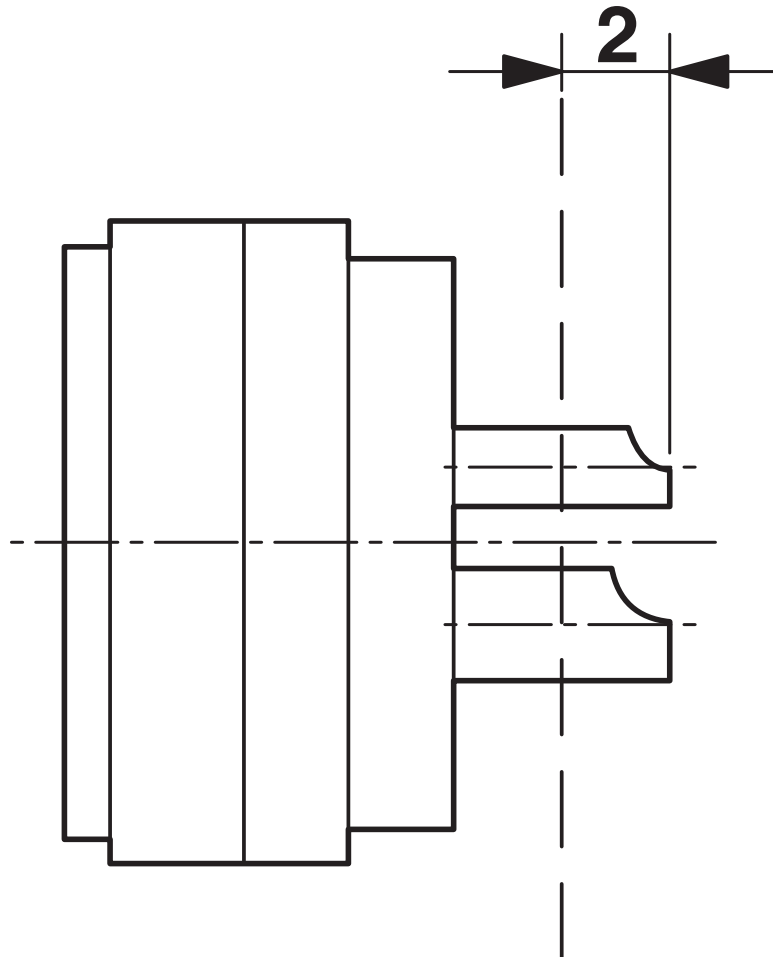
RC-09S2N120000 - Contact insert

1596535

<https://www.phoenixcontact.com/gb/products/1596535>



Schematic diagram



Dimensional drawing

RC-09S2N120000 - Contact insert



1596535

<https://www.phoenixcontact.com/gb/products/1596535>

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

RC-09S2N120000 - Contact insert



1596535

<https://www.phoenixcontact.com/gb/products/1596535>

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	e319ba79-53ae-4416-b7e5-fd11229a05fa

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk