

RC-09P1N8C0000 - Contact insert



1595501

<https://www.phoenixcontact.com/us/products/1595501>

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: Pin, Crimp connection, series: NC, RC, RM, TU, UC, this item is expected to be lead-free from Q4 2025 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	1595501
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356207133
Weight per piece (including packing)	10.966 g
Weight per piece (excluding packing)	3.474 g
Customs tariff number	85389099
Country of origin	DE

RC-09P1N8C0000 - Contact insert

1595501

<https://www.phoenixcontact.com/us/products/1595501>



Set consists of

RC-09P1N8A0000 - Contact insert

1595375

<https://www.phoenixcontact.com/us/products/1595375>



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

RC-5AP2000 - Crimp contact

1603505

<https://www.phoenixcontact.com/us/products/1603505>



Crimp contact, Pin, turned, contact diameter: 2 mm, connection cross section: 1.5 mm² ... 2.5 mm², contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241634

RC-09P1N8C0000 - Contact insert

1595501

<https://www.phoenixcontact.com/us/products/1595501>



RC-12P2000 - Crimp contact

1597862

<https://www.phoenixcontact.com/us/products/1597862>



Crimp contact, Pin, turned, contact diameter: 1 mm, connection cross section: 0.14 mm² ... 0.56 mm², contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1240882

RC-09P1N8C0000 - Contact insert



1595501

<https://www.phoenixcontact.com/us/products/1595501>

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	1.5 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	0.14 mm ²
Max. cross section	0.56 mm ²
Nominal current I _N	8 A
Nominal voltage U _N	48 V AC
	74 V DC

Connection data

Connection method	Crimp connection
-------------------	------------------

Material specifications

Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Ni/Au

Connector

RC-09P1N8C0000 - Contact insert



1595501

<https://www.phoenixcontact.com/us/products/1595501>

Direction of rotation	Standard
-----------------------	----------

Mechanical properties

Mechanical data	
Insertion/withdrawal cycles	50

Environmental and real-life conditions

Ambient conditions	
Permissible humidity (storage/transport)	50 % ... 65 %

RC-09P1N8C0000 - Contact insert

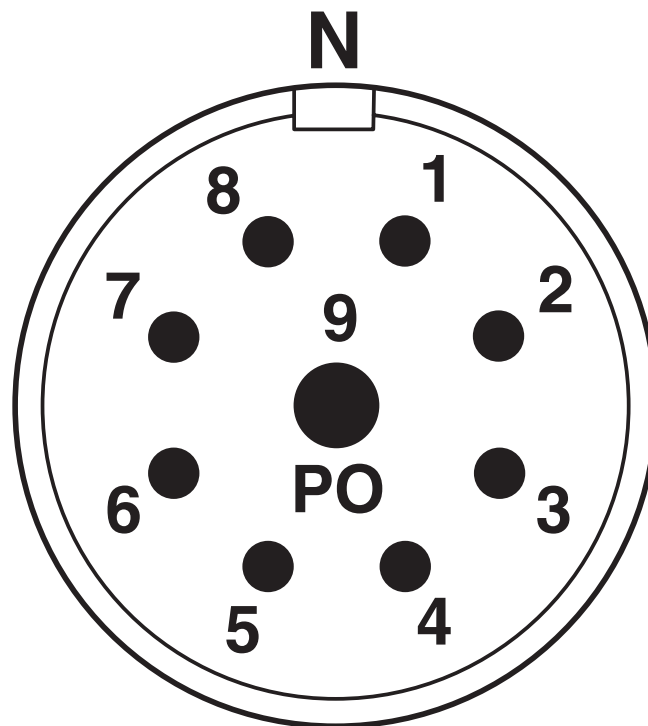
1595501

<https://www.phoenixcontact.com/us/products/1595501>



Drawings

Schematic diagram



Connector pin assignment

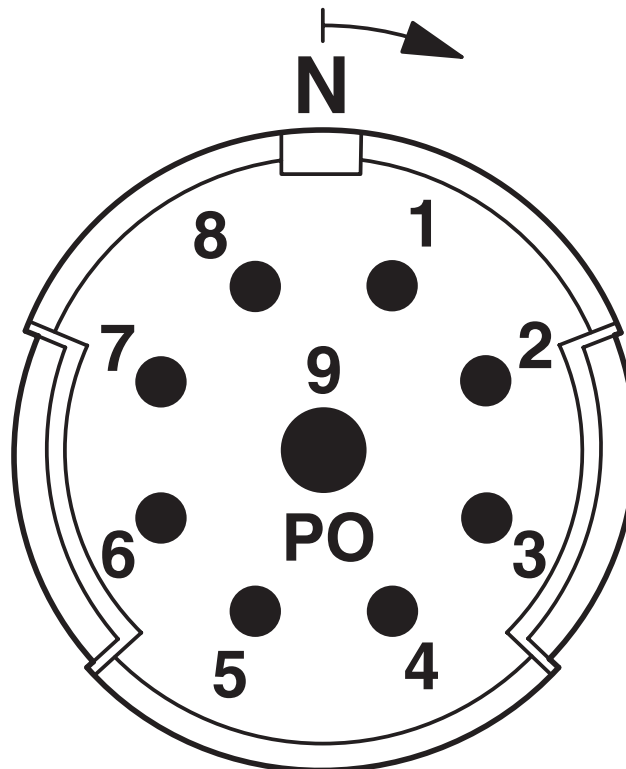
RC-09P1N8C0000 - Contact insert

1595501

<https://www.phoenixcontact.com/us/products/1595501>



Schematic diagram



Connector pin assignment

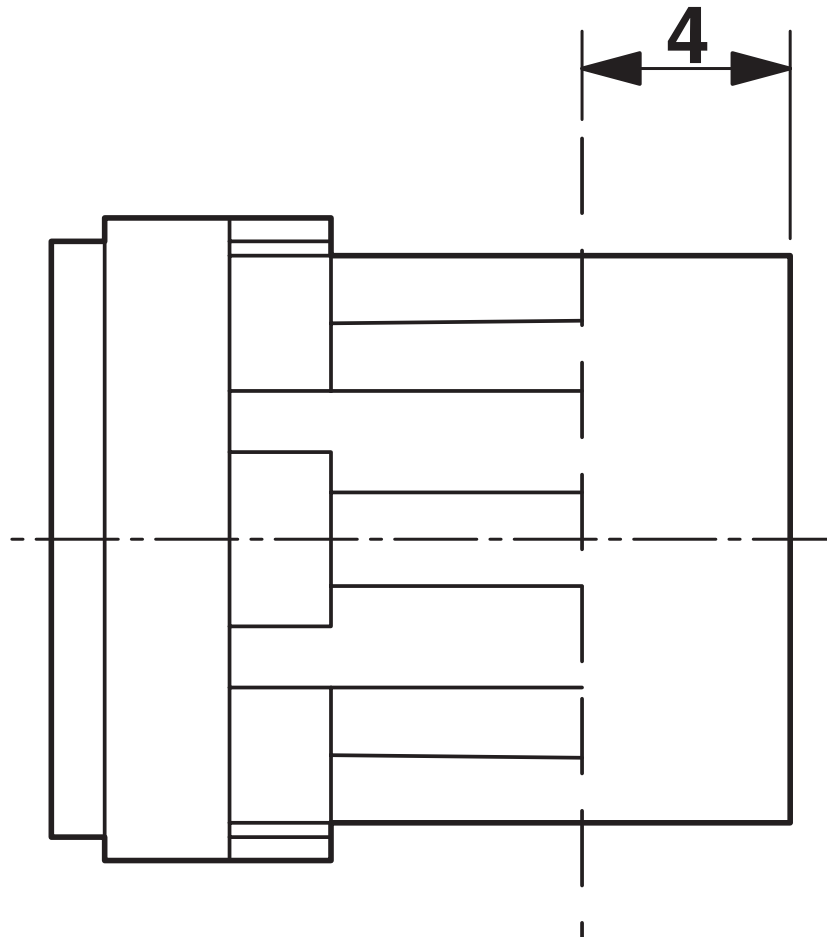
RC-09P1N8C0000 - Contact insert



1595501

<https://www.phoenixcontact.com/us/products/1595501>

Schematic diagram



Dimensional drawing

RC-09P1N8C0000 - Contact insert



1595501

<https://www.phoenixcontact.com/us/products/1595501>

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003557
----------	----------

UNSPSC

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

RC-09P1N8C0000 - Contact insert



1595501
<https://www.phoenixcontact.com/us/products/1595501>

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: n/a)
SCIP	e1507106-dff9-40f2-9a60-cf8100eed6fc

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com