

RC-12P2N8D0000 - Contact insert

1598292

<https://www.phoenixcontact.com/us/products/1598292>



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: 12, 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	1598292
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFU
GTIN	4046356220071
Weight per piece (including packing)	9.45 g
Weight per piece (excluding packing)	3.288 g
Customs tariff number	85389099
Country of origin	DE

RC-12P2N8D0000 - Contact insert

1598292

<https://www.phoenixcontact.com/us/products/1598292>



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 ²
Max. cross section	0.56 mm ²
Nominal voltage U _N	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
-------------------	------------------

Material specifications

Insulator material	PA66
Contact material	CuZn
Contact surface material	Ni/Au
Contact surface	Nickel-plated, gold coating
Insulation body material	PA66

Connector

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

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
-----------------------------	----

RC-12P2N8D0000 - Contact insert



1598292

<https://www.phoenixcontact.com/us/products/1598292>

Environmental and real-life conditions

Ambient conditions

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

RC-12P2N8D0000 - Contact insert

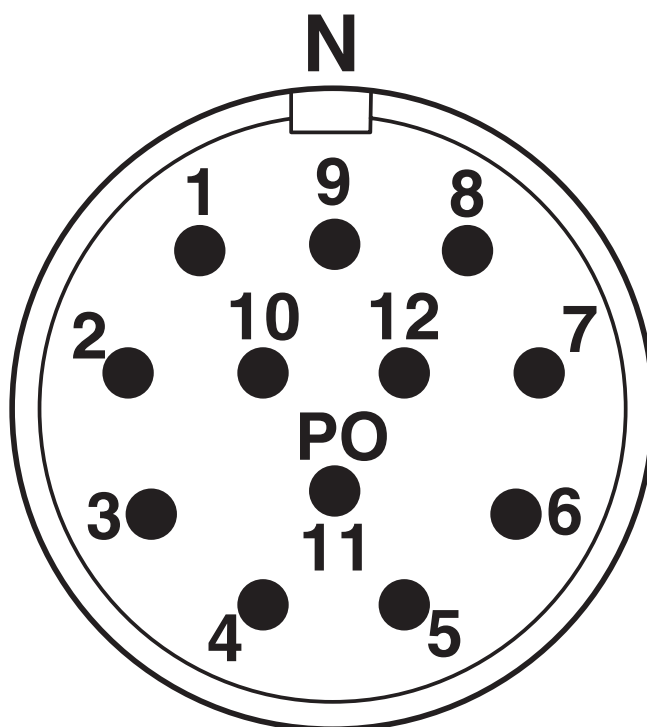
1598292

<https://www.phoenixcontact.com/us/products/1598292>



Drawings

Schematic diagram



Connector pin assignment

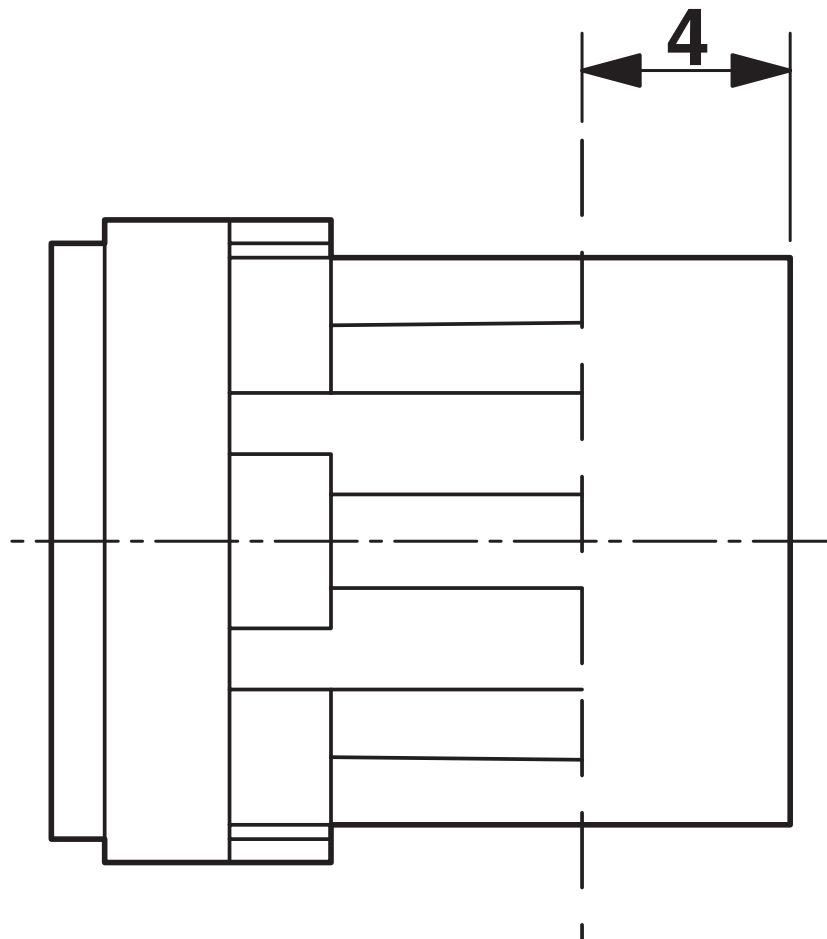
RC-12P2N8D0000 - Contact insert

1598292

<https://www.phoenixcontact.com/us/products/1598292>



Schematic diagram



Dimensional drawing

RC-12P2N8D0000 - Contact insert



1598292

<https://www.phoenixcontact.com/us/products/1598292>

Classifications

ECLASS

ECLASS-13.0	27440223
-------------	----------

ETIM

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

UNSPSC

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

RC-12P2N8D0000 - Contact insert



1598292

<https://www.phoenixcontact.com/us/products/1598292>

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	55ef2fd0-103d-47cb-a254-1688c6175198

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