

RC-12P1N8E0000 - Contact insert

1597641

<https://www.phoenixcontact.com/ie/products/1597641>



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



Commercial data

Item number	1597641
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	AB
Product key	ABRAFU
GTIN	4046356217262
Weight per piece (including packing)	8.6 g
Weight per piece (excluding packing)	8 g
Customs tariff number	85389099
Country of origin	DE

RC-12P1N8E0000 - Contact insert



1597641

<https://www.phoenixcontact.com/ie/products/1597641>

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	0.22 mm ²
Max. cross section	0.56 mm ²
Max. current	8 A
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	Nickel-plated, gold coating

Connector

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

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

RC-12P1N8E0000 - Contact insert



1597641

<https://www.phoenixcontact.com/ie/products/1597641>

Ambient conditions

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

RC-12P1N8E0000 - Contact insert

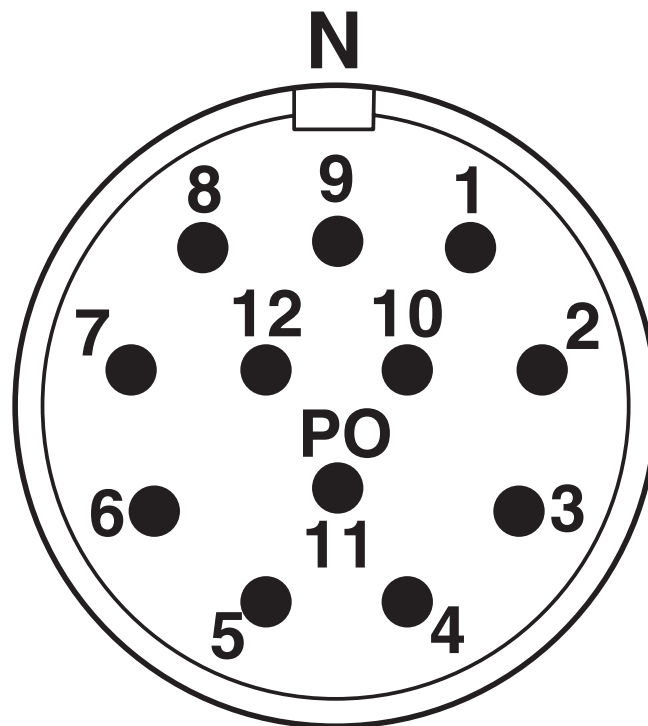
1597641

<https://www.phoenixcontact.com/ie/products/1597641>



Drawings

Schematic diagram



Connector pin assignment

RC-12P1N8E0000 - Contact insert



1597641

<https://www.phoenixcontact.com/ie/products/1597641>

Classifications

ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

ETIM

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

UNSPSC

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

RC-12P1N8E0000 - Contact insert



1597641

<https://www.phoenixcontact.com/ie/products/1597641>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact (Ireland) Ltd
C6 The Exchange, Calmount Park, Ballymount
Dublin 12, D12 XE18
+353/1/2051-300
info@phoenixcontact.ie