RC-12P2N8D0000 - Contact insert

1598292

https://www.phoenixcontact.com/ae/products/1598292

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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	10 pc
Note	Made to order (non-returnable)
Sales key	AB
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

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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 group 1

Contact diameter	1 mm
Min. cross section	0.14 mm²
Max. cross section	0.56 mm²
Nominal current I_N	8 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

Connection data

Connection method	Crimp connection

Material specifications

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

Connector

Direction of rotation	Counter direction

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50

Environmental and real-life conditions

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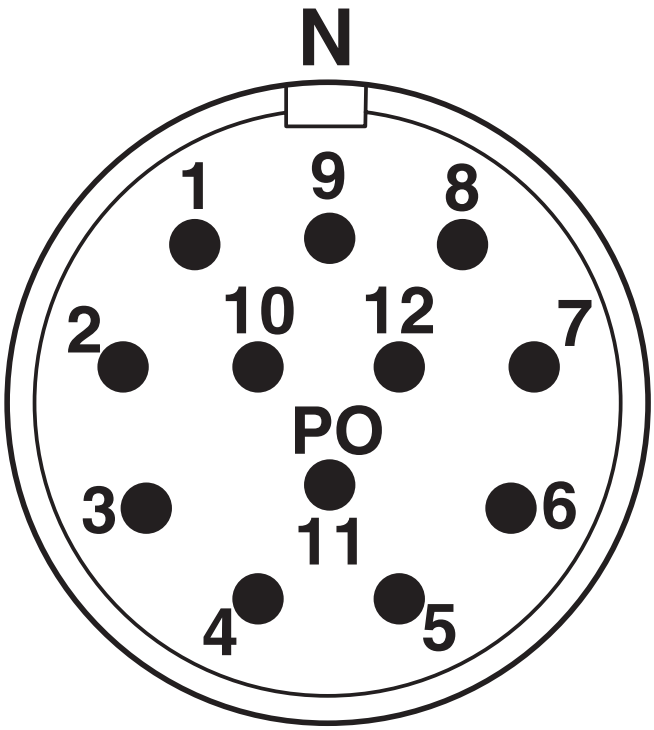
Ambient conditions

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

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Drawings

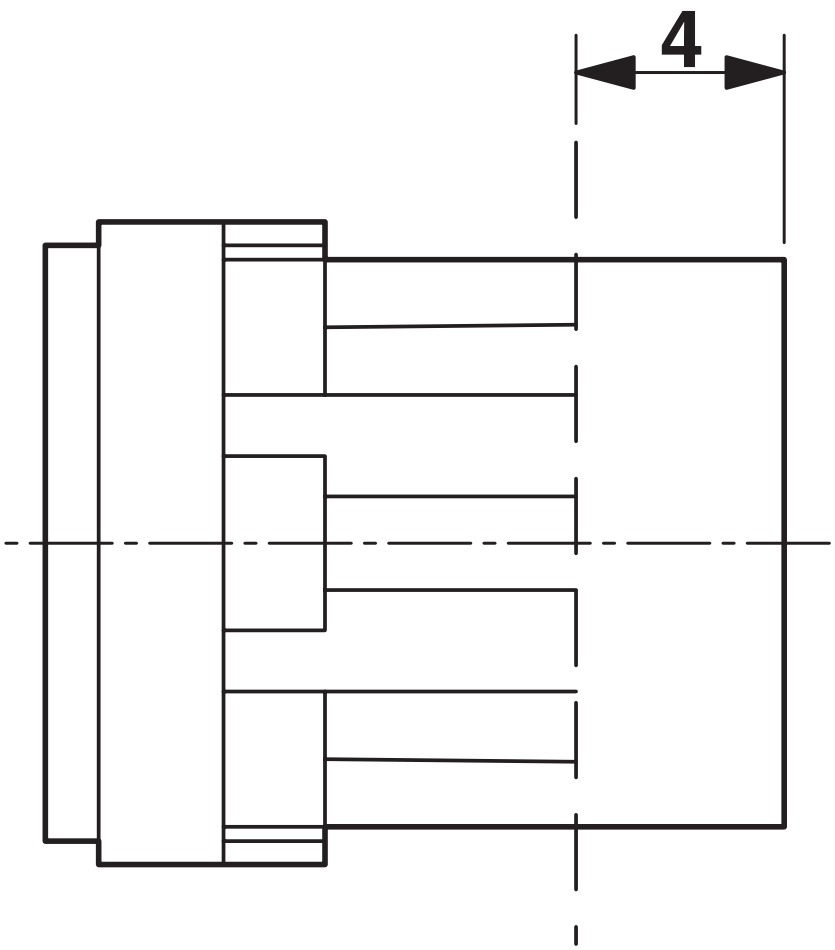
Schematic diagram



Connector pin assignment

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Schematic diagram



Dimensional drawing

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Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 9.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

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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

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