

RC-12P1N8E0000 - Contact insert



1597641

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

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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	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356217262
Weight per piece (including packing)	8.6 g
Weight per piece (excluding packing)	3.026 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
No. of control contacts	12
Coding	N
Thread type	M23

Electrical properties

Contact: Contact group 1

Contact diameter	1 mm
Min. cross section	0.22 mm ²
Max. cross section	0.56 mm ²
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
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Material specifications

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

Connector

Direction of rotation	Standard
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
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Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)

50 % ... 65 %

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Drawings

Schematic diagram



Connector pin assignment

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Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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