

RC-09P1N120000 - Contact insert



1594887

<https://www.phoenixcontact.com/us/products/1594887>

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Contact insert, M23, number of positions: 8+1, contact connection type: Pin, Solder cup, series: NC, RC, RM, TU, UC, this item is expected to be lead-free from Q2 2026 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	1594887
Packing unit	10 pc
Minimum order quantity	30 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356203883
Weight per piece (including packing)	8.71 g
Weight per piece (excluding packing)	6.16 g
Customs tariff number	85366990
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	9
Connection profile	8+1
Coding	N
Thread type	M23

Electrical properties

Contact: Contact group 1

Contact diameter	2 mm
Min. cross section	0.08 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	0.08 mm ²
Max. cross section	1 mm ²
Nominal current I _N	8 A
Nominal voltage U _N	48 V AC
	74 V DC

Connection data

Connection method	Solder cup
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Material specifications

Material Insulating body	PBT
Material Contact	CuZn
Material Contact surface	Ni/Au

Connector

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Direction of rotation	Standard
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Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
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Drawings

Schematic diagram



Connector pin assignment

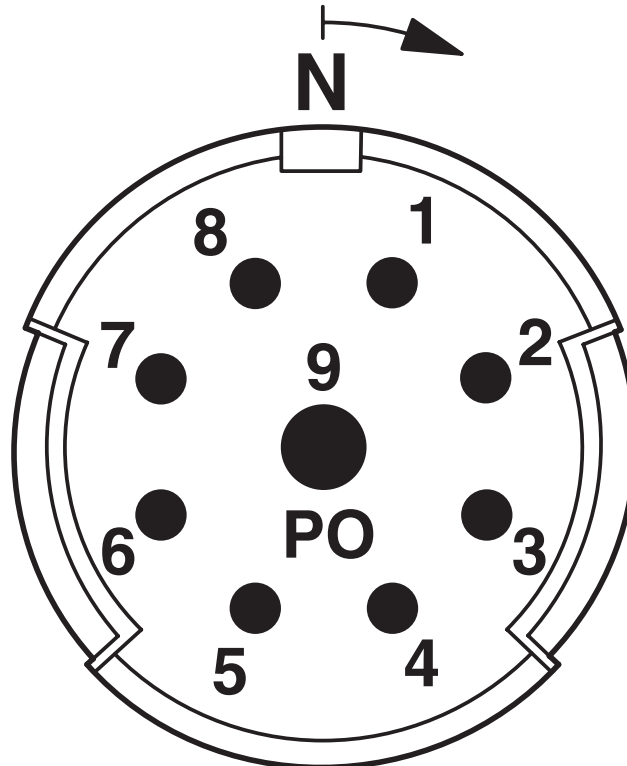
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Schematic diagram



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 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
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	9175b0a8-3667-47b1-8925-94d1315cd5b6

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