

# RC-12P1NA20000 - Contact insert



1597643

<https://www.phoenixcontact.com/us/products/1597643>

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Contact insert, M23, number of positions: 12, contact connection type: Pin, Solder-in connection, series: RC, TU, 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	1597643
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356217279
Weight per piece (including packing)	11.685 g
Weight per piece (excluding packing)	11.685 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Contact insert
Series	RC
	TU
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
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	Solder-in connection
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### Material specifications

Material Insulating body	PA 6.6
Material Contact	CuZn
Material Contact surface	Ni/Au
Flammability rating according to UL 94	V0

### Connector

Direction of rotation	Standard
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### Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50
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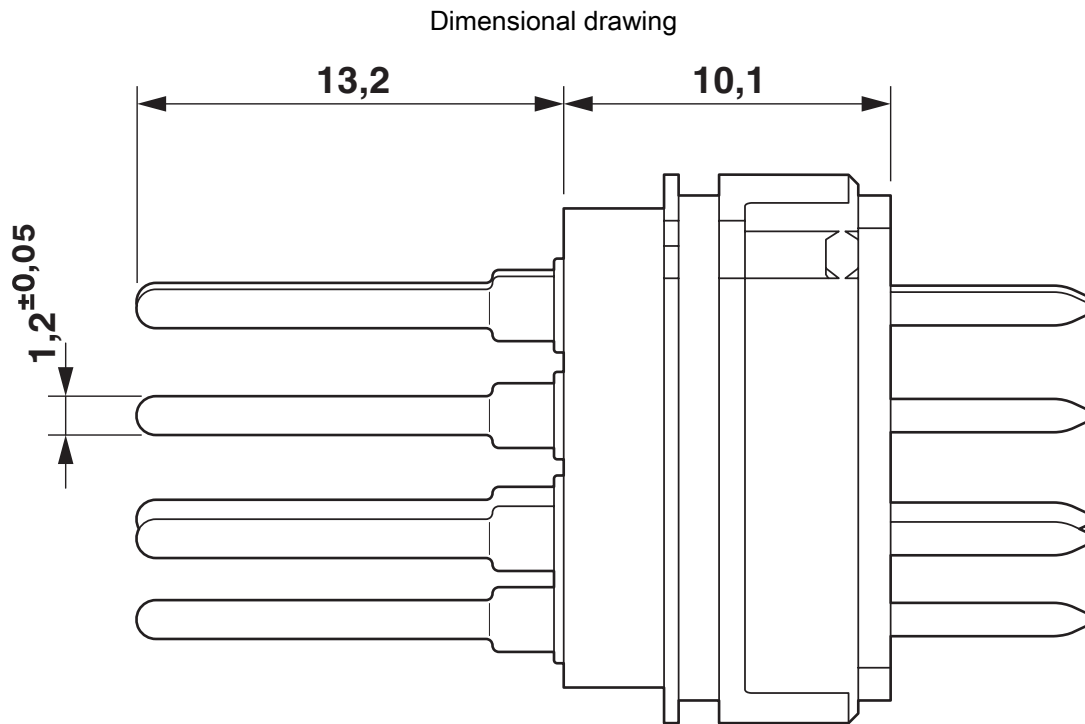
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## Drawings



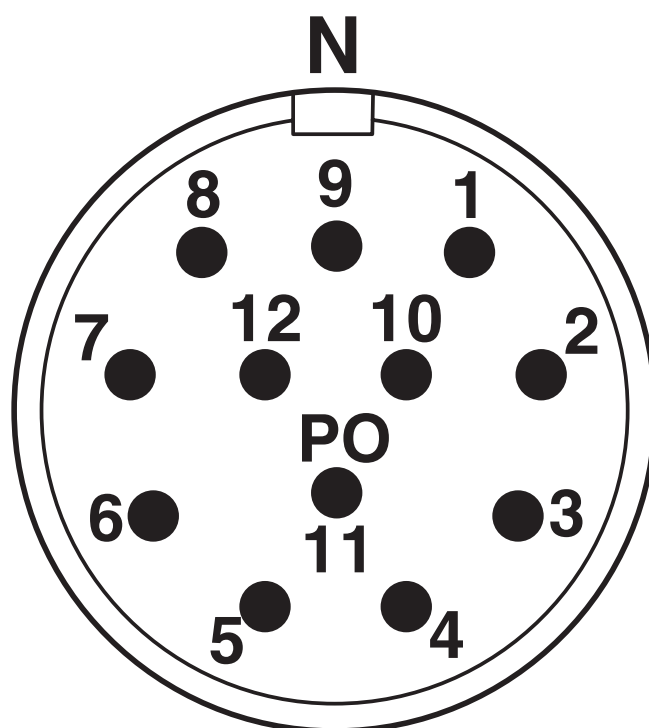
Dimensional drawing

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Schematic diagram



Connector pin assignment

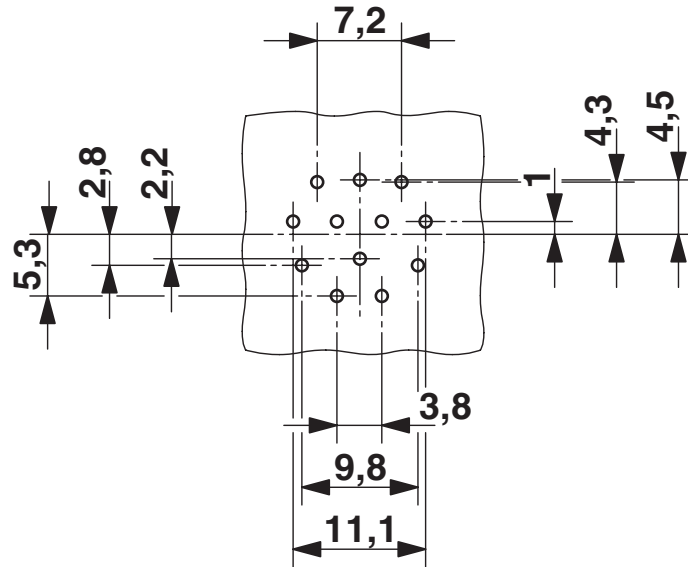
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Drilling plan/solder pad geometry



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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	65b28217-80f1-402d-b144-520d5c9120c4

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