RC-07S1N120000 - Contact insert

1594558

https://www.phoenixcontact.com/us/products/1594558

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The figure shows the 6-pos. product version

Contact insert, M23, number of positions: 7, contact connection type: Socket, Solder cup, series: NC, RC, RM, TU, UC, this item is expected to be lead-free from Q3 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	1594558
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356202091
Weight per piece (including packing)	7.36 g
Weight per piece (excluding packing)	4.94 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Product properties

Product type	Contact insert
Series	NC
	RC
	RM
	TU
	UC
Application	Signal
Number of positions	7
Connection profile	7
Coding	N
Thread type	M23

Electrical properties

Contact: Contact group 1

Contact diameter	2 mm
Min. cross section	0.08 mm²
Max. cross section	2.5 mm²
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

Connection data

Connection method	Solder cup

Material specifications

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

Connector

Direction of rotation	Standard

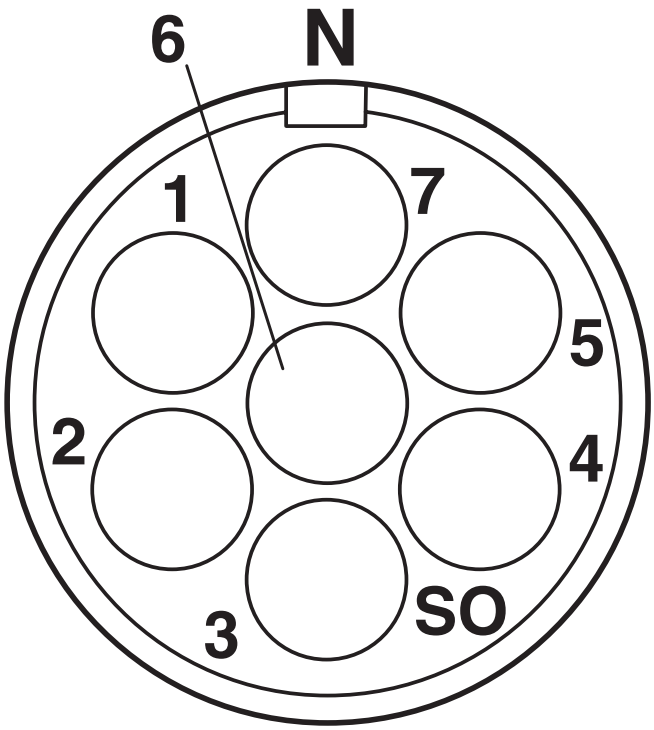
Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50

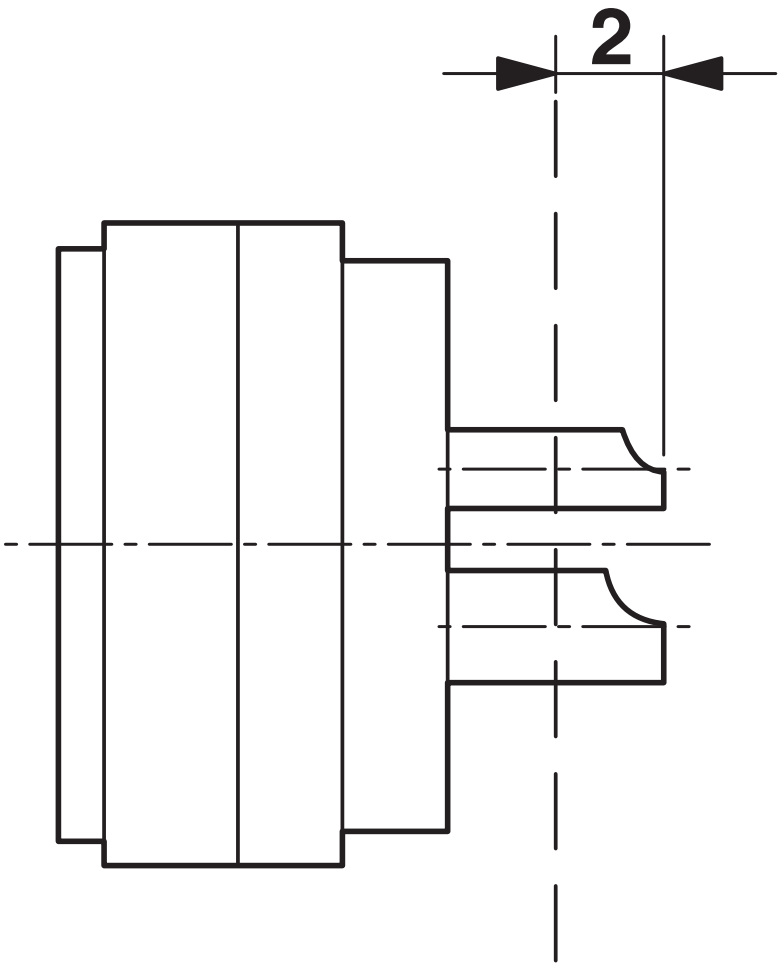
Drawings

Schematic diagram



Connector pin assignment

Schematic diagram



Dimensional drawing

Classifications

ECLASS

ECLASS-13.0	27440223
ECLASS-15.0	27440223

ETIM

ETIM 10.0	EC003557

UNSPSC

UNSPSC 21.0	39121400

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	075de8cf-f7a0-4579-a432-90c397f78f29

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https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com