RC-09S1N8C0000 - Contact insert

1596417

https://www.phoenixcontact.com/us/products/1596417

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CRIMP



The figure shows the 6-pos. product version

Contact insert, M23, number of positions: 8+1, contact connection type: Socket, Crimp connection, 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	1596417
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFU
GTIN	4046356211215
Weight per piece (including packing)	12.2 g
Weight per piece (excluding packing)	4.96 g
Customs tariff number	85389099
Country of origin	DE

Set consists of

RC-09S1N8A0000 - Contact insert

1596303

https://www.phoenixcontact.com/us/products/1596303



Contact insert, M23, number of positions: 8+1, contact connection type: Socket, Crimp connection, series: NC, RC, RM, TU, UC

RC-5AS2000 - Crimp contact

1603509

https://www.phoenixcontact.com/us/products/1603509



Crimp contact, Socket, turned, contact diameter: 2 mm, connection cross section: 1.5 mm^2 ... 2.5 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241635

RC-12S2000 - Crimp contact

1599600

https://www.phoenixcontact.com/us/products/1599600



Crimp contact, Socket, turned, contact diameter: 1 mm, connection cross section: 0.14 mm^2 ... 0.56 mm^2, contact material: CuZn, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241093

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	1.5 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

Contact: Contact group 2

Contact diameter	1 mm
Min. cross section	0.14 mm²
Max. cross section	0.56 mm²
Nominal current I_N	8 A
Nominal voltage U_N	48 V AC
	74 V DC

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	Standard

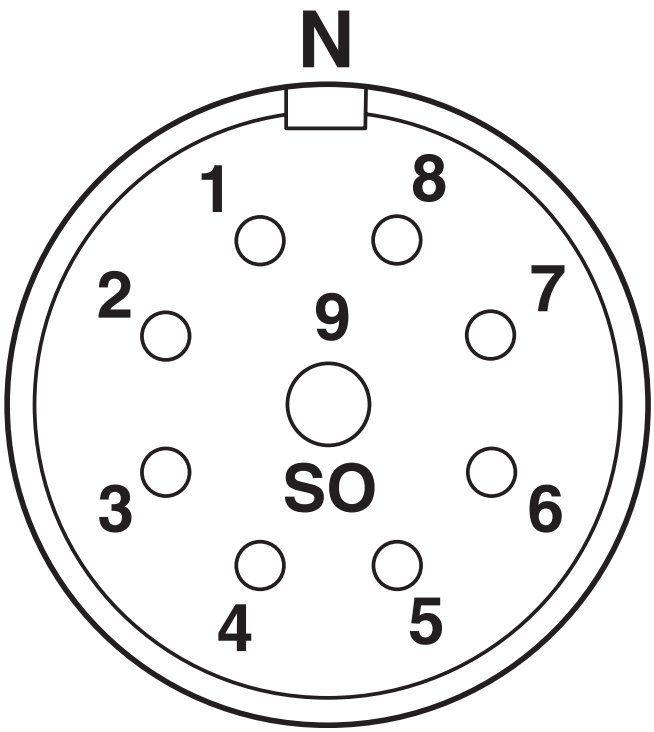
Mechanical properties

Mechanical data

Insertion/withdrawal cycles	50

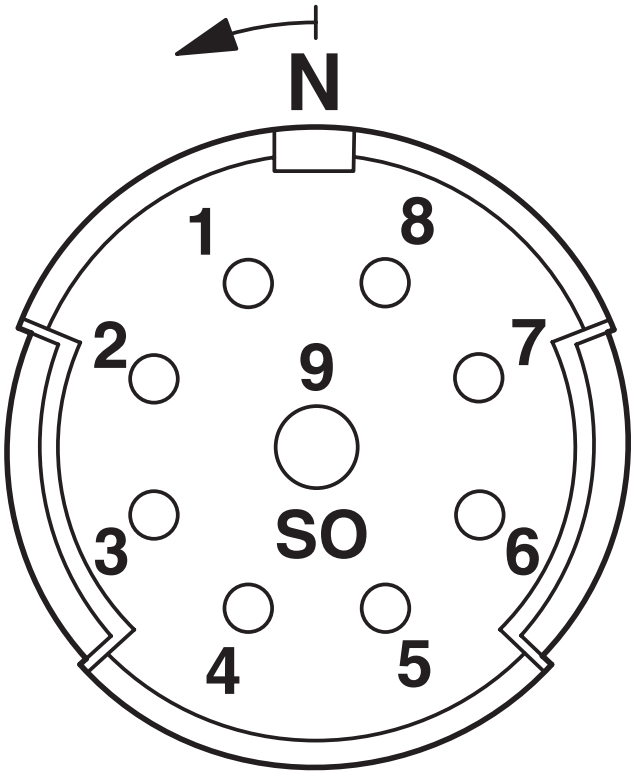
Drawings

Schematic diagram



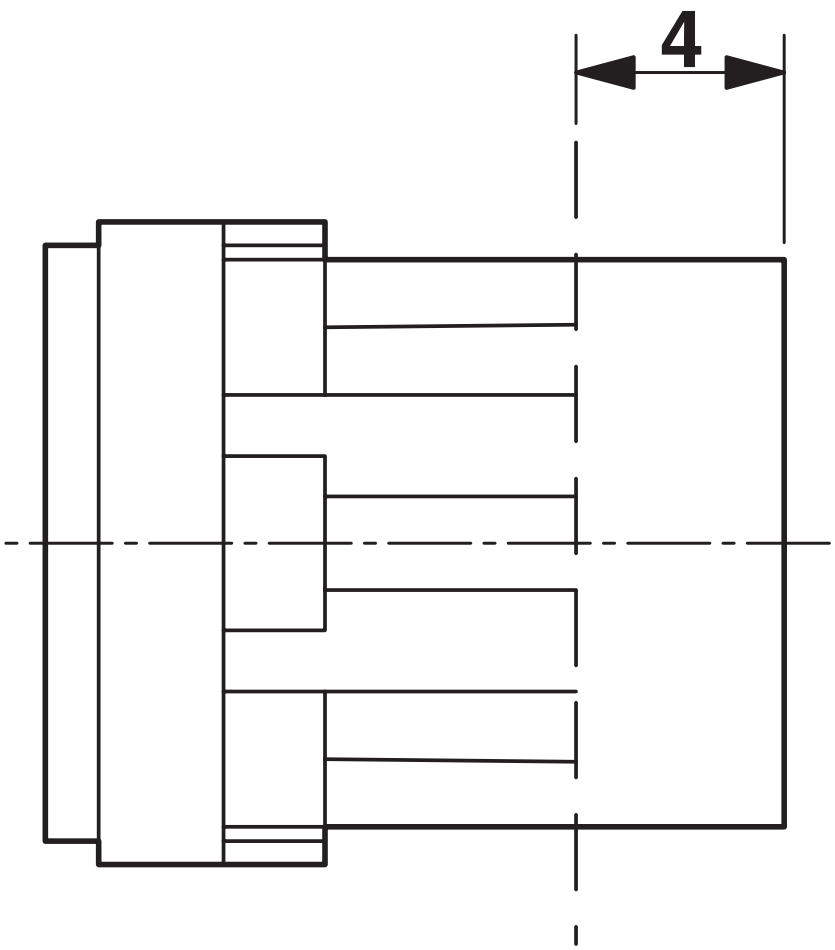
Connector pin assignment

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	8efe72cd-22c6-4027-8cab-ec4c7f4e1f4d

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