

RC-07S1NS280EP - Cable connector



1594816

<https://www.phoenixcontact.com/us/products/1594816>

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M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Socket, Screw connection, cable diameter range: 3 mm ... 10.5 mm, coding: N

Commercial data

Item number	1594816
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356203616
Weight per piece (including packing)	82 g
Weight per piece (excluding packing)	74.71 g
Country of origin	DE

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Technical data

Product properties

Product type	Circular connector (cable-side)
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Material specifications

Housing material	Metal
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Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	50
Connection method	Screw connection
Contact switching type	Socket
Application	Signal
Number of positions	7
Direction of rotation	Standard
Connection profile	7
Number (Contact group 1)	7
Contact diameter (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3

Housing

Note	Order contact inserts separately
Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	Metal
Degree of protection (plugged in)	IP65 IP67 IP68

Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

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Drawings

Schematic diagram



Connector pin assignment

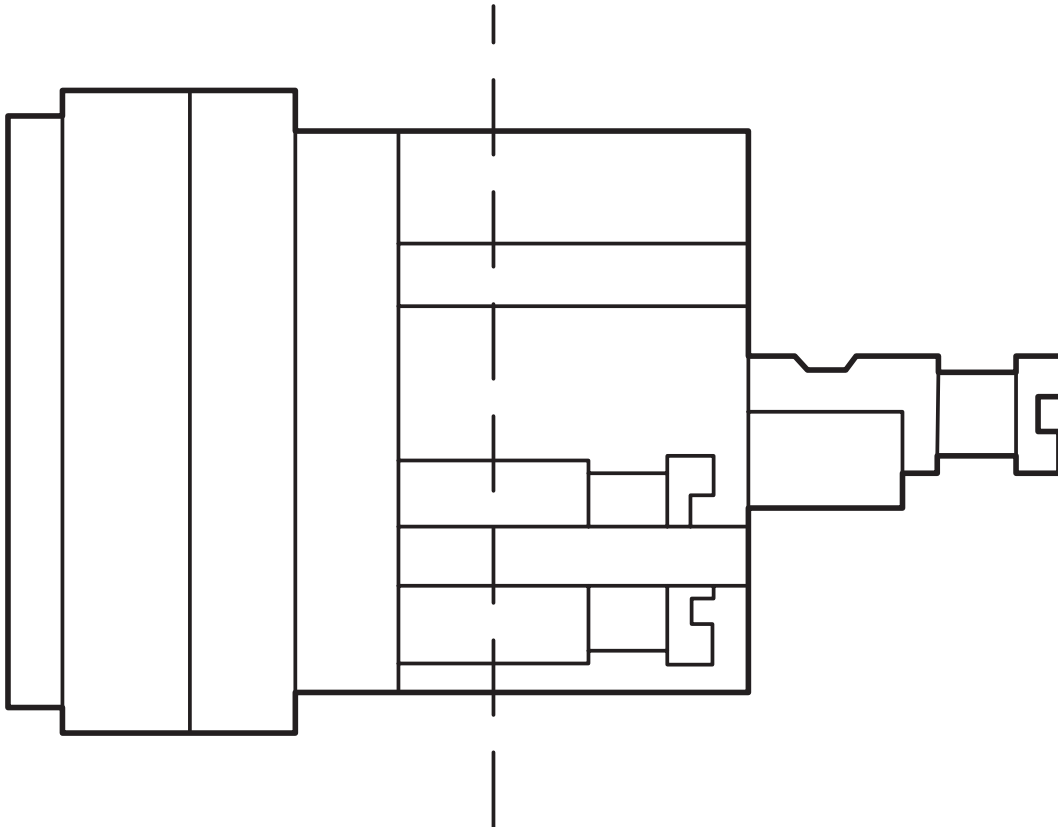
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Schematic diagram



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Environmental product compliance

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.)	No substance above 0.1 wt%
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