

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



The figure shows the 12-pos.
product version

M23, Cable connector, application: Signal, straight, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 9.5 mm ... 10.5 mm, coding: N

Commercial data

Item number	1595970
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356209250
Weight per piece (including packing)	73.84 g
Weight per piece (excluding packing)	73.84 g
Country of origin	DE

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

Technical data

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

Connector

Insulating body

Coding	N
Material (Insulating body)	PBT
Material (Contact)	CuZn
Material (Contact surface)	Ni/Au
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	8+1
Number (Contact group 1)	1
Contact diameter (Contact group 1)	2 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (Contact group 1)	2.5 mm ²
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
Number (Contact group 2)	8
Contact diameter (Contact group 2)	1 mm
Litz wires Max. cross section (Contact group 2)	1 mm ²
Rated current Contact (Contact group 2)	8 A (for max. connection cross section)
Rated voltage Contact (Contact group 2)	48 V AC 48 V AC

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

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

Degree of protection (plugged in)	IP65
	IP67
	IP68

Seal

External cable diameter	9.5 mm ... 10.5 mm
Seal material	NBR

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

Drawings

Schematic diagram



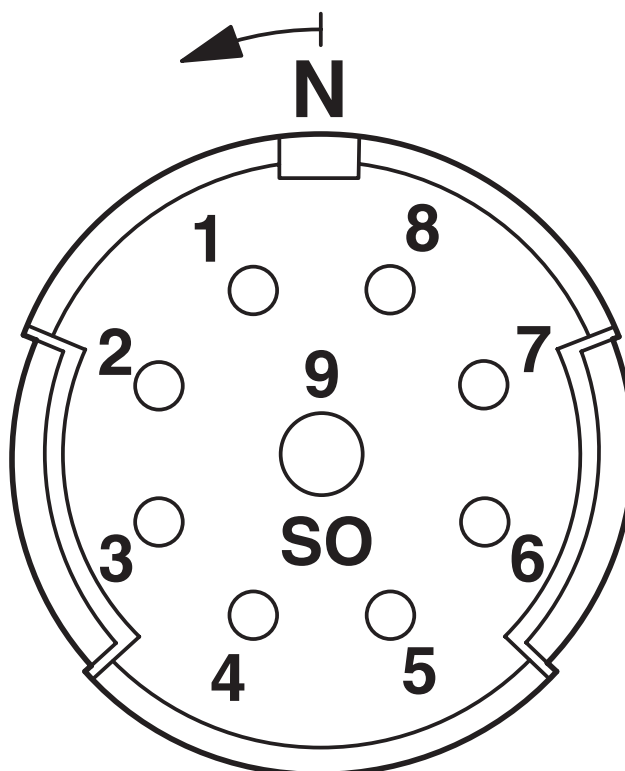
Connector pin assignment

RC-09S1N1280U1 - Cable connector

1595970

<https://www.phoenixcontact.com/us/products/1595970>

Schematic diagram



Connector pin assignment

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

Schematic diagram



Dimensional drawing

RC-09S1N1280U1 - Cable connector



1595970

<https://www.phoenixcontact.com/us/products/1595970>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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