

RC-63S1N12T0EN - Cable connector



1603748

<https://www.phoenixcontact.com/ae/products/1603748>

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.



M23, Cable connector, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos. : 6+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 3 mm ... 10.5 mm, coding: N

Commercial data

Item number	1603748
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	ABR
Product key	ABRAFC
GTIN	4046356246910
Weight per piece (including packing)	139.4 g
Weight per piece (excluding packing)	139.4 g
Customs tariff number	85366990
Country of origin	DE

RC-63S1N12T0EN - Cable connector



1603748

<https://www.phoenixcontact.com/ae/products/1603748>

Technical data

Product properties

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

Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Socket
Application	Signal
Number of positions	9
Direction of rotation	Standard
Connection profile	6+3
Contact diameter Power contacts	2 mm
Litz wire cross-section Power contacts min.	0.08 mm ²
Litz wire cross-section Power contacts max.	2.5 mm ²
Rated current Power contacts	20 A
Rated voltage	48 V AC
	74 V DC
Rated surge voltage	1.5 kV
Overvoltage category	III
Degree of pollution	3
Contact diameter Signal contacts	1 mm
Litz wire cross-section Signal contacts min.	0.08 mm ²
Litz wire cross-section Signal contacts max.	1 mm ²
Nominal current per signal contact	8 A

Housing

Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP67
Thread type	M23

Seal

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

RC-63S1N12T0EN - Cable connector

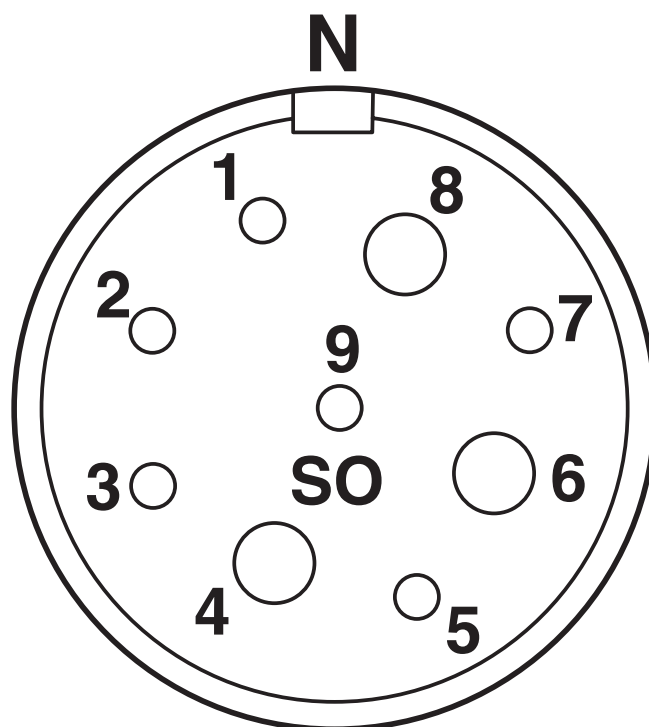
1603748

<https://www.phoenixcontact.com/ae/products/1603748>



Drawings

Schematic diagram



Connector pin assignment

RC-63S1N12T0EN - Cable connector



1603748

<https://www.phoenixcontact.com/ae/products/1603748>

Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Middle East FZ LLC
1201N-1206N, Dubai Science Park Towers – North
P.O. Box 345002, Dubai, United Arab Emirates
(+971) 4 437-0324
info-me@phoenixcontact.com