

RC-63P1N1280N0 - Cable connector



1603581

<https://www.phoenixcontact.com/pc/products/1603581>

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.

Cable connector



Commercial data

Item number	1603581
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFA
GTIN	4046356246187
Weight per piece (including packing)	75.02 g
Weight per piece (excluding packing)	69.25 g
Customs tariff number	85366990
Country of origin	DE

RC-63P1N1280N0 - Cable connector



1603581

<https://www.phoenixcontact.com/pc/products/1603581>

Technical data

Product properties

Product type	Circular connectors (device side)
--------------	-----------------------------------

Connector

Insulating body

Coding	N
Insertion/withdrawal cycles	50
Connection method	Solder cup
Contact switching type	Pin
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

Order information:	Order contact inserts separately
Housing material	Metal
Type of locking	Screw locking mechanism
Pg screw connection	none
Degree of protection (plugged in)	IP65
	IP67
	IP68
Thread type	M23

Seal

External cable diameter	9.5 mm ... 10.5 mm
-------------------------	--------------------

RC-63P1N1280N0 - Cable connector



1603581

<https://www.phoenixcontact.com/pc/products/1603581>

Seal material	NBR
---------------	-----

RC-63P1N1280N0 - Cable connector

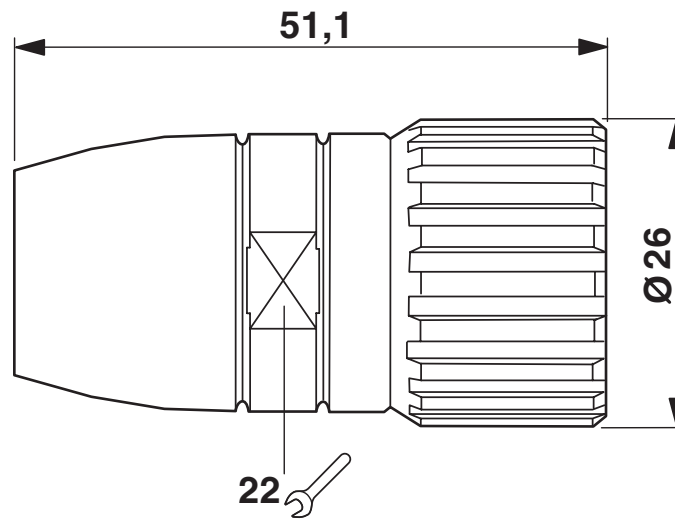
1603581

<https://www.phoenixcontact.com/pc/products/1603581>



Drawings

Dimensional drawing



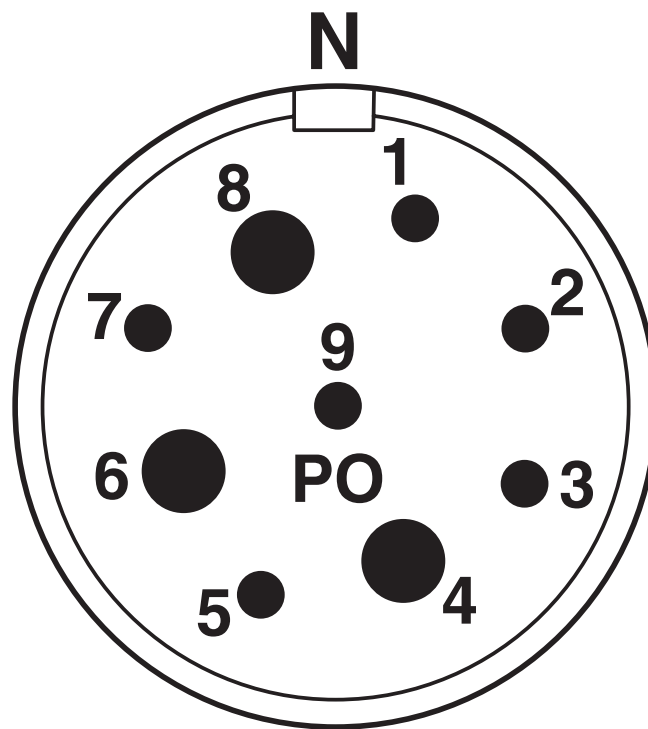
RC-63P1N1280N0 - Cable connector

1603581

<https://www.phoenixcontact.com/pc/products/1603581>



Schematic diagram



RC-63P1N1280N0 - Cable connector



1603581

<https://www.phoenixcontact.com/pc/products/1603581>

Classifications

ECLASS

ECLASS-11.0	27440102
-------------	----------

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

RC-63P1N1280N0 - Cable connector



1603581
<https://www.phoenixcontact.com/pc/products/1603581>

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	12a0e731-c344-4414-aa41-9ef6b82fd8e5

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

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com