

RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

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, application: Signal, series: RC, angled, shielded: yes, Screw locking mechanism, No. of pos.: 16, Direction of rotation: Standard, contact connection type: Socket, Solder cup, cable diameter range: 3 mm ... 10.5 mm, coding: N



The figure shows the 12-pos.
product version

Commercial data

Item number	1601016
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFC
GTIN	4046356697613
Weight per piece (including packing)	151.97 g
Weight per piece (excluding packing)	139.91 g
Customs tariff number	85366990
Country of origin	DE

RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

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	16
Direction of rotation	Standard
Connection profile	16
Number (Contact group 1)	16
Contact diameter (Contact group 1)	1 mm
Litz wires Min. cross section (Contact group 1)	0.08 mm ²
Litz wires Max. cross section (Contact group 1)	1 mm ²
Rated current Contact (Contact group 1)	8 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

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Screw locking mechanism
Pg screw connection	none
Material (Housing)	GD-Zn
Material (Rotating parts)	CuZn
Material (Housing surface)	Ni
Material (Seal)	FPM (O-ring)
Degree of protection (plugged in)	IP67

Seal

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

RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

Drawings

Schematic diagram



Connector pin assignment

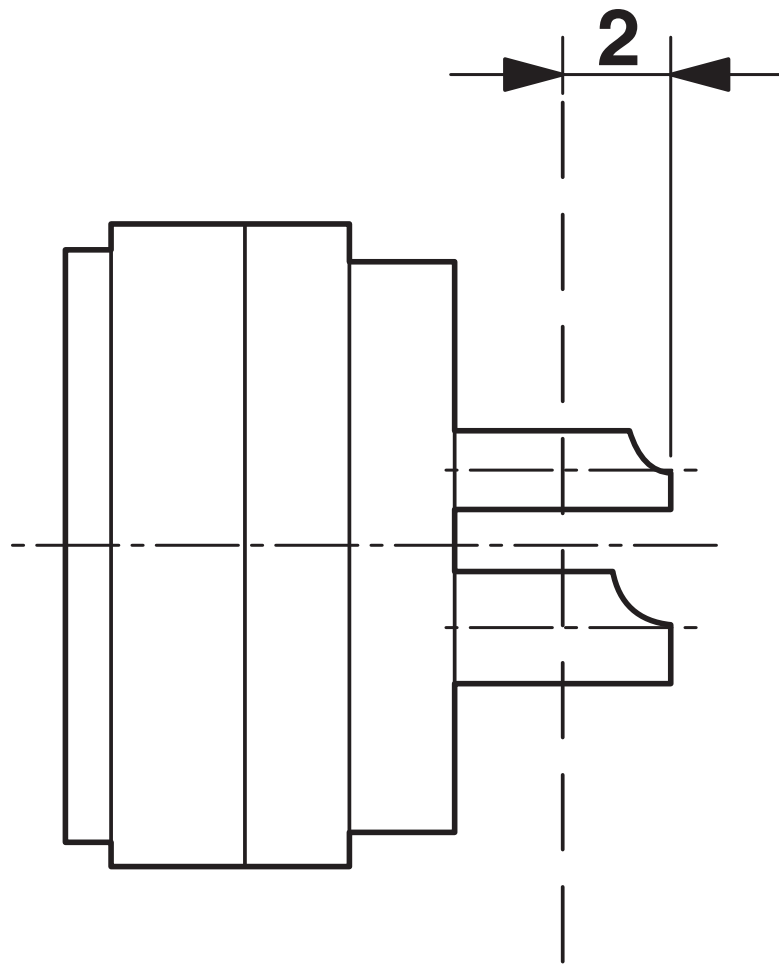
RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

Schematic diagram



Dimensional drawing

RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

Classifications

UNSPSC

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

RC-16S1N12T0EM - Cable connector



1601016

<https://www.phoenixcontact.com/us/products/1601016>

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)
-------------------------------------	----------------------

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