

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

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, straight, shielded: no, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Solder cup, coding: N. This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

The figure shows the 12-pos.
product version

Commercial data

Item number	1594271
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFA
GTIN	4046356200493
Weight per piece (including packing)	85.65 g
Weight per piece (excluding packing)	81.95 g
Customs tariff number	85366990
Country of origin	DE

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

Technical data

Notes

Order information:	Order cable glands separately
--------------------	-------------------------------

Product properties

Product type	Circular connector (cable-side)
Thread type	M23

Material specifications

Flammability rating according to UL 94	V0
--	----

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	Pin
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
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

Housing

Type	Cable connector housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg11
Mounting type	Screw mounting (Pg11)

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

Material (Housing)	Metal
Degree of protection (plugged in)	IP65
	IP67

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
----------------------	------

RC-07P1N121600 - Cable connector

1594271

<https://www.phoenixcontact.com/us/products/1594271>

Drawings

Schematic diagram



Connector pin assignment

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

Schematic diagram



Dimensional drawing

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 10.0	EC002635
-----------	----------

UNSPSC

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

RC-07P1N121600 - Cable connector



1594271

<https://www.phoenixcontact.com/us/products/1594271>

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	407732ea-00e4-464f-804c-586ae6d50681

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