

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

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, Coupler connector, application: Signal, series: RC, straight, shielded: no, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Standard, contact connection type: Socket, Solder cup, coding: N

Commercial data

Item number	1598575
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFG
GTIN	4046356221443
Weight per piece (including packing)	84.565 g
Weight per piece (excluding packing)	79.77 g
Country of origin	DE

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

Technical data

Product properties

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

Material specifications

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

Connection data

Conductor connection

Connection method	Solder connection
-------------------	-------------------

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	12
Direction of rotation	Standard
Connection profile	12
Number (Contact group 1)	12
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	Coupling housing
Thread type	M23
Design	straight
Type of locking	Screw locking mechanism
Pg screw connection	Pg13,5

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP65
	IP67
	IP68

Environmental and real-life conditions

Ambient conditions

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

RC-12S1N127700 - Coupler connector

1598575

<https://www.phoenixcontact.com/us/products/1598575>

Drawings

Schematic diagram



Connector pin assignment

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

Schematic diagram



Dimensional drawing

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

Classifications

ETIM

ETIM 9.0	EC003569
----------	----------

UNSPSC

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

RC-12S1N127700 - Coupler connector



1598575

<https://www.phoenixcontact.com/us/products/1598575>

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	b5e0e57c-6767-4536-be54-566400a4e25b

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