

RC-12P2N1290FA - Coupler connector



1597981

<https://www.phoenixcontact.com/us/products/1597981>

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, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Pin, Solder cup, cable diameter range: 9.5 mm ... 10.5 mm, coding: N

Commercial data

Item number	1597981
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAFG
GTIN	4046356218818
Weight per piece (including packing)	78.65 g
Weight per piece (excluding packing)	69.11 g
Country of origin	DE

RC-12P2N1290FA - Coupler connector



1597981

<https://www.phoenixcontact.com/us/products/1597981>

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	Pin
Application	Signal
Number of positions	12
Direction of rotation	Counter direction
Connection profile	12
Number Contact (Contact group 1)	12
Diameter Contact (Contact group 1)	1 mm
Litz wire cross-section min. Contact (Contact group 1)	0.08 mm ²
Litz wire cross-section max. Contact (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	none
Material (Housing)	GD-Zn
Material (Housing surface)	Ni
Material (Rotating parts)	CuZn
Degree of protection (plugged in)	IP67

Seal

External cable diameter	9.5 mm ... 10.5 mm
Seal material	NBR

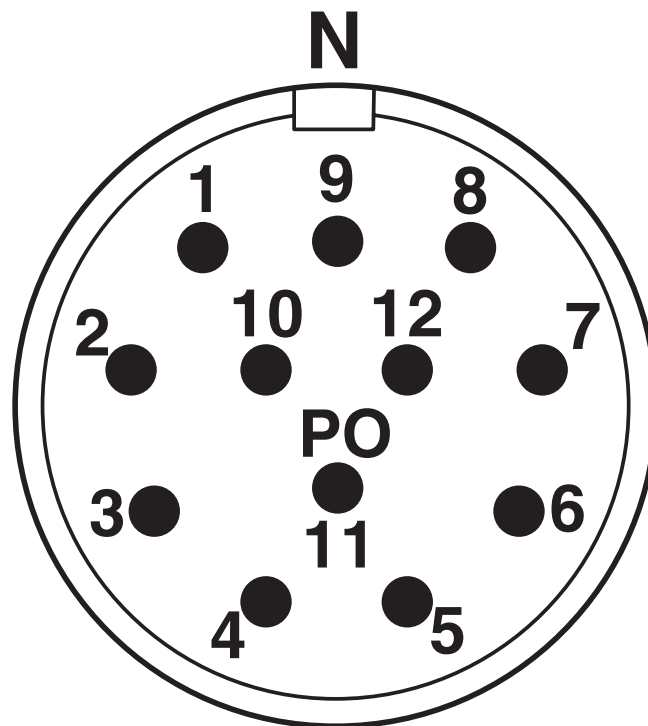
RC-12P2N1290FA - Coupler connector

1597981

<https://www.phoenixcontact.com/us/products/1597981>

Drawings

Schematic diagram



Connector pin assignment

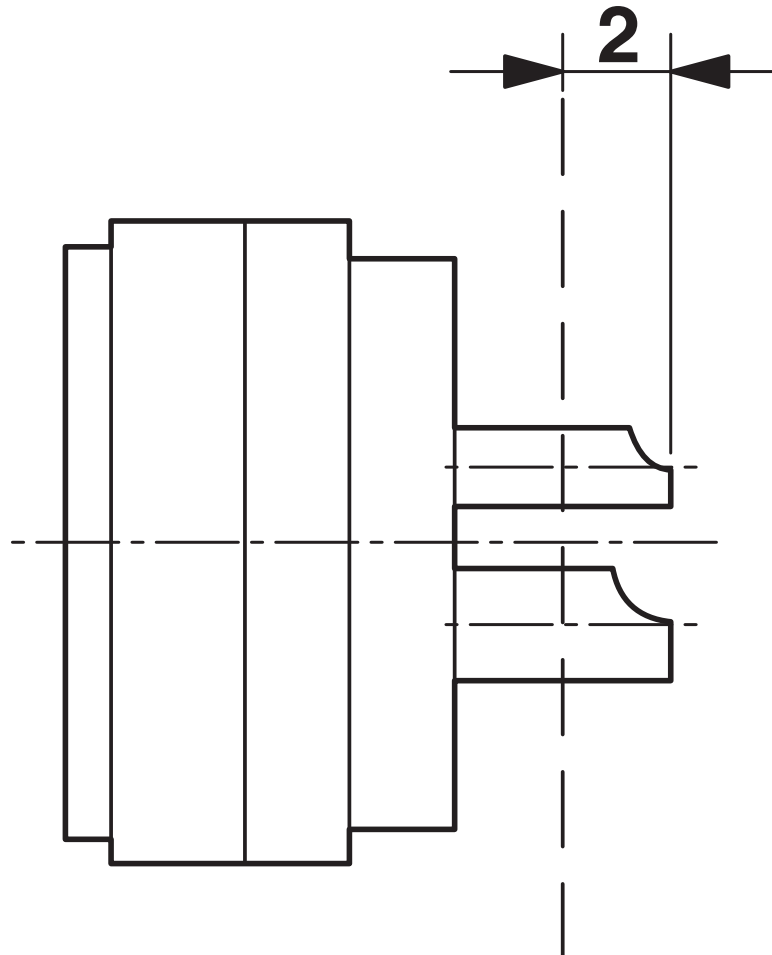
RC-12P2N1290FA - Coupler connector



1597981

<https://www.phoenixcontact.com/us/products/1597981>

Schematic diagram



Technical drawings can be found under Downloads

Phoenix Contact 2025 © - 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