

RF-12P1S8A9002 - Coupler connector



1607241

<https://www.phoenixcontact.com/us/products/1607241>

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.



Coupler connector, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, shielded: yes, cable diameter range: 6 mm ... 10 mm, number of positions: 12, connection method: Crimp connection, series: RF

Commercial data

Item number	1607241
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGG
GTIN	4046356268035
Weight per piece (including packing)	96.19 g
Weight per piece (excluding packing)	30.43 g
Customs tariff number	85366990
Country of origin	DE

RF-12P1S8A9002 - Coupler connector



1607241

<https://www.phoenixcontact.com/us/products/1607241>

Technical data

Notes

Order information:	Order crimp contacts Ø 1 mm separately
--------------------	--

Product properties

Product type	Circular connector (cable-side)
Series	RF
Application	Feedback, signal
	Signal
Number of positions	12
Connection profile	12
Shielded	yes
Coding	S
Thread type	M23

Material specifications

Seal material	FPM
Housing material	Metal
Housing material	Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn)
Insulator material	PA 6.6
Gasket and O-ring material	FPM

Connection data

Conductor connection

Connection method	Crimp connection
-------------------	------------------

Electrical properties

Contact

Contact diameter	1 mm
Max. current	8 A
Nominal voltage U_N	150 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	2.5 kV

Contact

Overvoltage category	III
Degree of pollution	3

Connector

Type	straight
Direction of rotation	Standard

RF-12P1S8A9002 - Coupler connector



1607241

<https://www.phoenixcontact.com/us/products/1607241>

Cable/line

External cable diameter	6 mm ... 10 mm
-------------------------	----------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

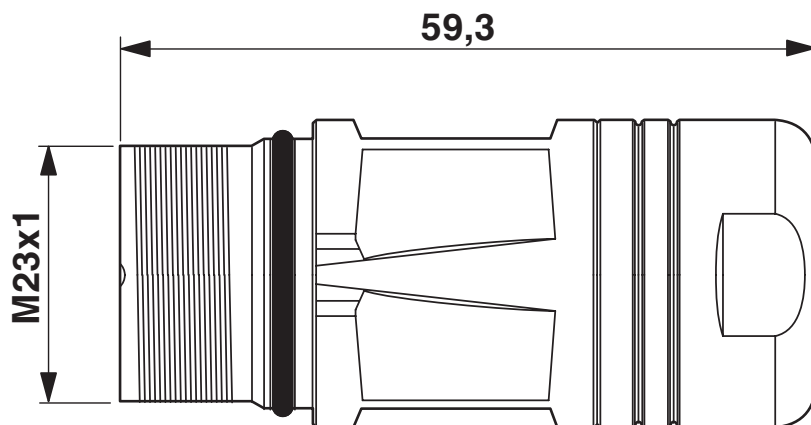
RF-12P1S8A9002 - Coupler connector

1607241

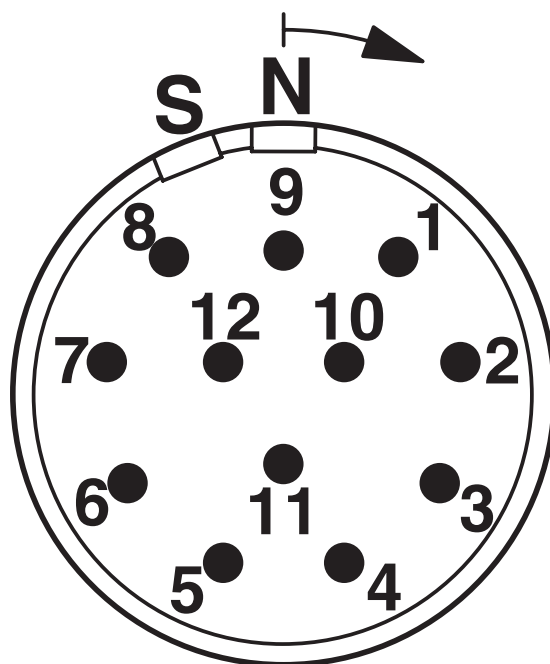
<https://www.phoenixcontact.com/us/products/1607241>

Drawings

Dimensional drawing



Schematic diagram



RF-12P1S8A9002 - Coupler connector

1607241

<https://www.phoenixcontact.com/us/products/1607241>



Phoenix Contact 2024 © - 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