

# RF-12P1S8A9002 - Coupler connector

1607241

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



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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

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## Technical data

### Notes

Order information:	Order crimp contacts Ø 1 mm separately
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### 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
Nominal current $I_N$	8 A
Nominal voltage $U_N$	150 V
Overshoot category	III
Degree of pollution	3
Rated surge voltage	2.5 kV

### Connector

Type	straight
Direction of rotation	Standard

### Cable/line

External cable diameter	6 mm ... 10 mm
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## Environmental and real-life conditions

### Ambient conditions

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

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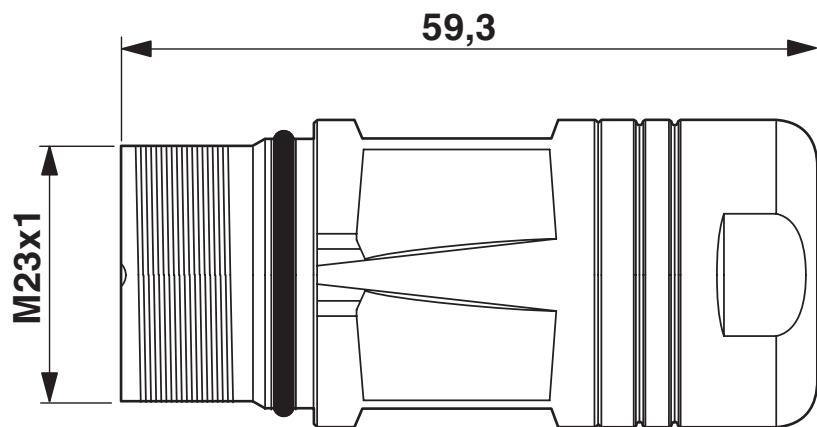
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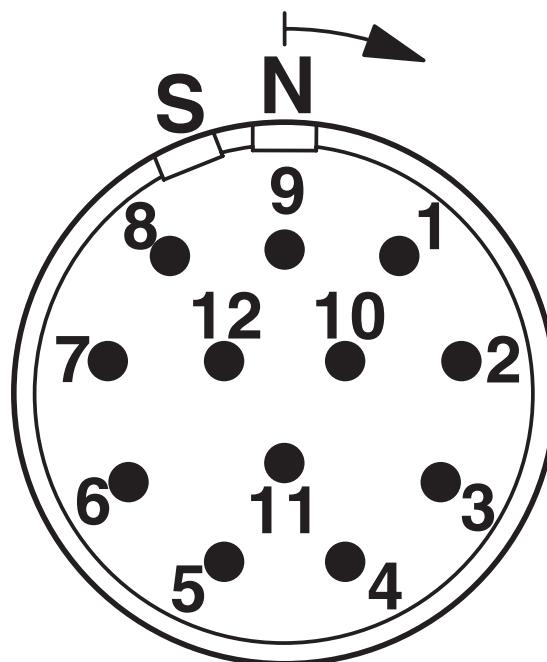


## Drawings

Dimensional drawing



Schematic diagram



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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)