

# RF-12S2N8A9V03 - Coupler connector



1613977

<https://www.phoenixcontact.com/us/products/1613977>

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The figure shows the product version with standard contact chamber numbering

Coupler connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, shielded: yes, cable diameter range: 9 mm ... 13.2 mm, number of positions: 12, connection method: Crimp connection, series: RF

## Commercial data

Item number	1613977
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAGW
GTIN	4046356443258
Weight per piece (including packing)	108.24 g
Weight per piece (excluding packing)	108.24 g
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
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

### Material specifications

Seal material	FPM
Housing material	Metal
Housing material	High-grade steel 1.4305

### 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
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	2.5 kV

### Connector

Type	straight
Direction of rotation	Counter direction

### Cable/line

External cable diameter	9 mm ... 13.2 mm
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### Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67

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Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

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## Drawings

Dimensional drawing



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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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