

RF-16S1N8A90DU - Coupler connector



1613783

<https://www.phoenixcontact.com/us/products/1613783>

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The figure shows the 12-pos. product version

Coupler connector, application: Feedback, signal, straight, Screw locking mechanism, M23, number of positions: 16, contact connection type: Socket, shielded: yes, cable diameter range: 5 mm ... 13.2 mm, number of positions: 16, connection method: Crimp connection, series: RF

Commercial data

Item number	1613783
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGG
GTIN	4046356402279
Weight per piece (including packing)	98.85 g
Weight per piece (excluding packing)	98.85 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	16
Connection profile	16
Shielded	yes
Coding	N
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
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Electrical properties

Contact

Contact diameter	1 mm
Nominal voltage U_N	48 V AC 74 V DC
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Connector

Type	straight
Direction of rotation	Standard

Cable/line

External cable diameter	5 mm ... 13.2 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

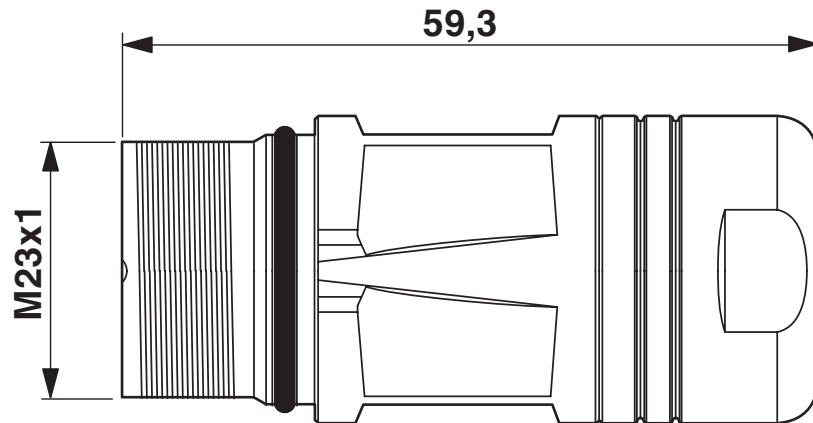
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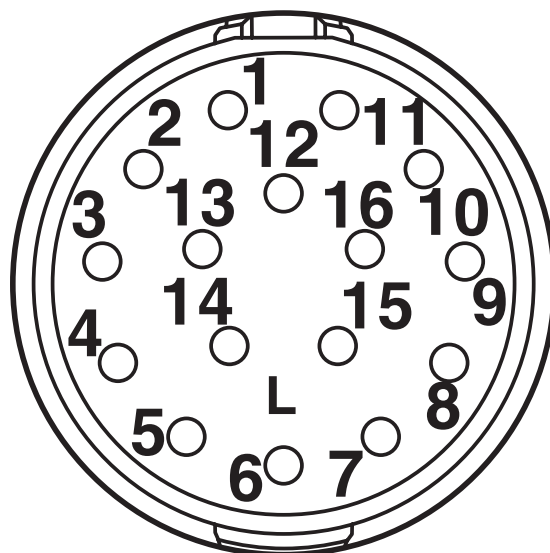
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Drawings

Dimensional drawing



Schematic diagram



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Classifications

UNSPSC

UNSPSC 21.0	39121413
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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.)	No substance above 0.1 wt%
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