

RF-12P2N8A9VDU - Coupler connector



1613966

<https://www.phoenixcontact.com/gb/products/1613966>

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Coupler connector, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 5 mm ... 13.2 mm, number of positions: 12, connection method: Crimp connection, series: RF, this item is undergoing a smooth changeover, lead-free alternative in accordance with RoHS II without exception 6c (Pb < 0.1%) possible on request in advance

Commercial data

Item number	1613966
Packing unit	20 pc
Minimum order quantity	20 pc
Note	Made to order (non-returnable)
Sales key	ABRAGW
Product key	ABRAGW
GTIN	4046356442602
Weight per piece (including packing)	110.36 g
Weight per piece (excluding packing)	109.676 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
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
Max. current	8 A
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	Counter direction

Connection 1	
Head design	Pin

Cable/line

External cable diameter	5 mm ... 13.2 mm
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Environmental and real-life conditions

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Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

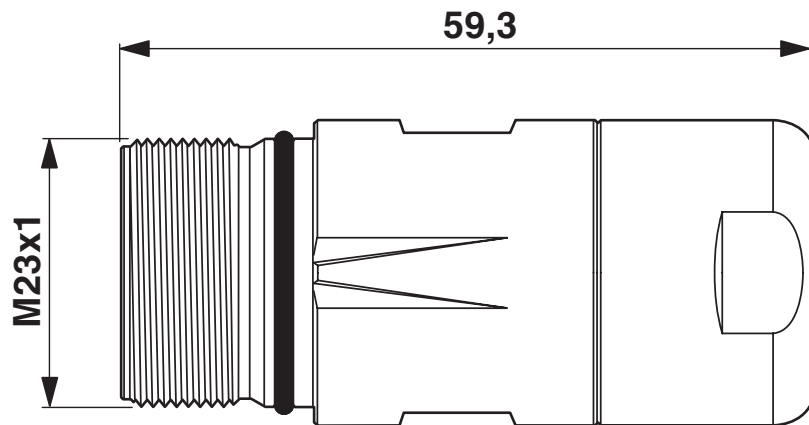
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Drawings

Dimensional drawing



Dimensional drawing

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1613966>

	cUL Recognized			
	Approval ID: E153698-20090723			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
		48 V	5 A	20
				Cross section mm^2
				-

	UL Recognized			
	Approval ID: E153698-20090723			
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
		48 V	5 A	20
				Cross section mm^2
				-

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Classifications

ECLASS

ECLASS-13.0	27440116
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ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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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.)	Lead(CAS: 7439-92-1)
SCIP	c6fce99d-9e31-45a4-9bec-2f59289de43a

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