

# RF-12P1N8A8VDU - Cable connector



1614067

<https://www.phoenixcontact.com/gb/products/1614067>

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Cable 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	1614067
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	ABRAGW
Product key	ABRAGW
GTIN	4046356442435
Weight per piece (including packing)	107.2 g
Weight per piece (excluding packing)	105.09 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 <sub>N</sub>	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

Connection 1	
Head design	Pin
Head cable outlet	straight
Head thread type	M23

### Cable/line

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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)	-20 °C ... 125 °C
Altitude	2000 m

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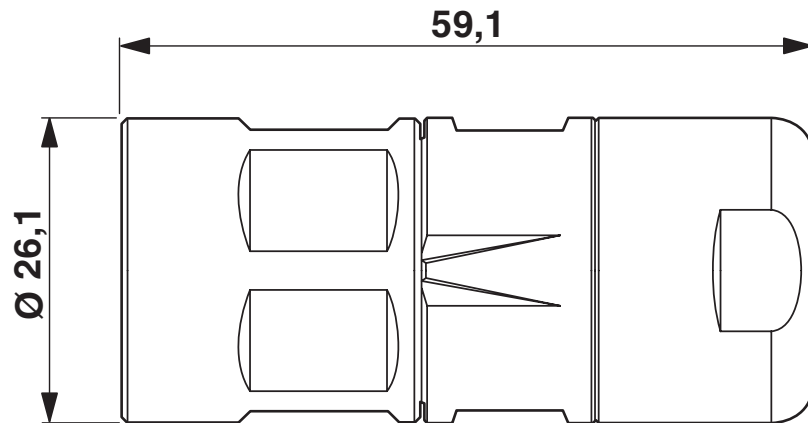


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## Drawings

Dimensional drawing



Dimensional drawing

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## Approvals

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	<b>cUL Recognized</b> Approval ID: E153698-20090723			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20	-

	<b>UL Recognized</b> Approval ID: E153698-20090723			
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20	-

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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	47e01035-8b22-45f5-848d-7b393fc19895

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