

RF-16P1N8A8003 - Cable connector



1613716

<https://www.phoenixcontact.com/pc/products/1613716>

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Cable connector, straight, Screw locking mechanism, M23, number of positions: 16, contact connection type: Pin, shielded: yes, degree of protection: IP67, cable diameter range: 9 mm ... 13.2 mm, number of positions: 16, connection method: Crimp connection, series: RF

Commercial data

Item number	1613716
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRAGA
GTIN	4046356401791
Weight per piece (including packing)	113.57 g
Weight per piece (excluding packing)	113.57 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General	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

Electrical properties

Contact	
Contact diameter	1 mm
Max. current	8 A
Nominal voltage U_N	100 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

Contact	
Overvoltage category	III
Degree of pollution	3

Connector

Type	straight
Direction of rotation	Standard

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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
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

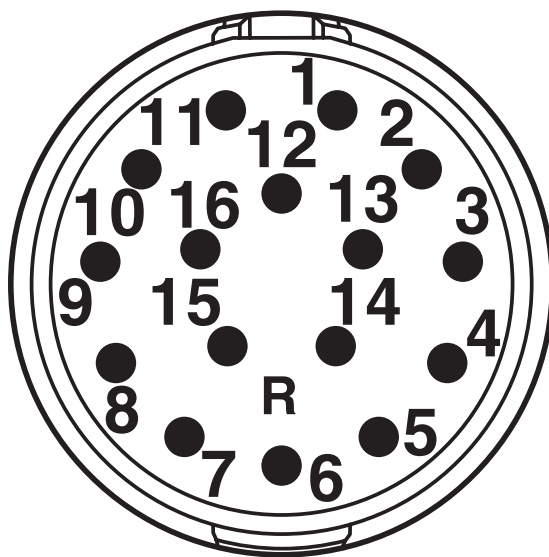
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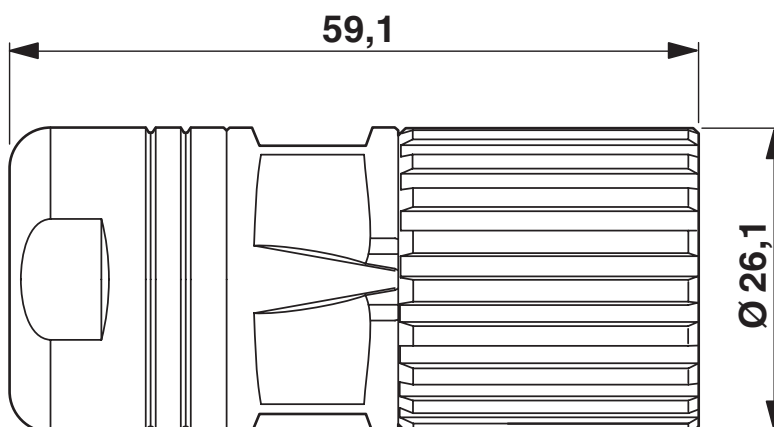
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Drawings

Schematic diagram



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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Accessories

SF-6CP2000 - Crimp contact

1605559

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Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm² ... 0.25 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

SF-10KP004 - Crimp contact

1607355

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Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm² ... 0.5 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

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SF-6AP2000 - Crimp contact

1605554

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Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm² ... 1 mm², Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

SF-Z0028 - Torque screwdriver

1607456

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Torque screwdriver, series: RC, UC, SH, SF

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SF-Z0027 - Hook wrench

1607455

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Hook wrench, series: RC, UC, RF, SF

RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/pc/products/1607905>



Square mounting flange, Axial seal, 4xM3, flange dimensions: 35 mm x 35 mm, series: RF, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242369

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