

# RF-16P2N8A8003 - Cable connector



1613721

<https://www.phoenixcontact.com/us/products/1613721>

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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	1613721
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGA
GTIN	4046356401821
Weight per piece (including packing)	92.12 g
Weight per piece (excluding packing)	92.12 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

### 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	Counter direction

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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

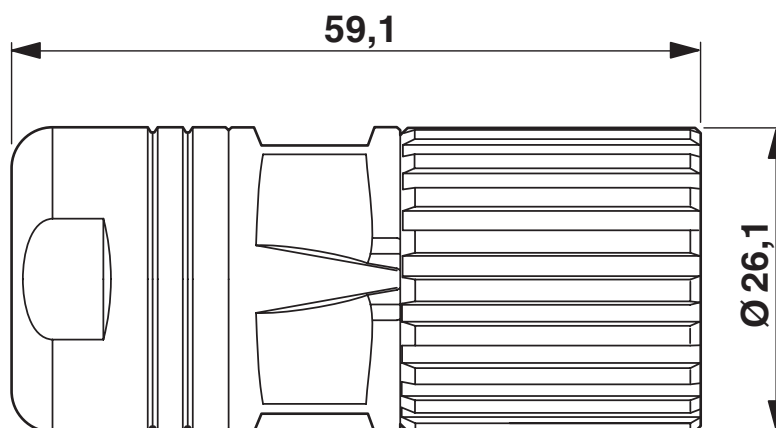
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 125 °C
Altitude	2000 m

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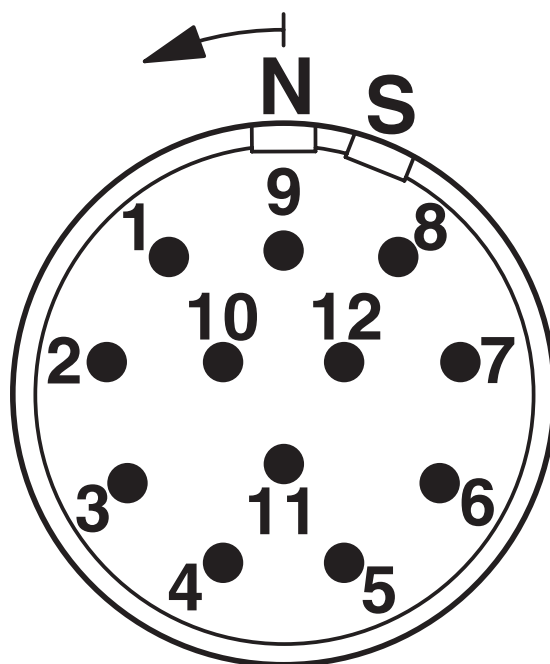
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## Drawings

Dimensional drawing



Schematic diagram



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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

<https://www.phoenixcontact.com/us/products/1605559>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.06 mm<sup>2</sup> ... 0.25 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

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### SF-10KP004 - Crimp contact

1607355

<https://www.phoenixcontact.com/us/products/1607355>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.14 mm<sup>2</sup> ... 0.5 mm<sup>2</sup>, 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

<https://www.phoenixcontact.com/us/products/1605554>



Crimp contact, Pin, turned, Single contact, contact diameter: 1 mm, crimp range: 0.25 mm<sup>2</sup> ... 1 mm<sup>2</sup>, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1241921

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## SF-Z0028 - Torque screwdriver

1607456

<https://www.phoenixcontact.com/us/products/1607456>



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

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## SF-Z0027 - Hook wrench

1607455

<https://www.phoenixcontact.com/us/products/1607455>



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

## RF-Z0003 - Square mounting flange

1607905

<https://www.phoenixcontact.com/us/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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