

# RF-16P1N8AWA00 - Device connector front mounting



1613766

<https://www.phoenixcontact.com/us/products/1613766>

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 16, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 16, connection method: Crimp connection, series: RF

## Your advantages

- Safe use in the field, thanks to high degree of protection
- Connector for flexible on-site assembly
- Consistent EMC protection for reliable connection solutions in the industrial environment
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1613766
Packing unit	20 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAGL
GTIN	4046356402101
Weight per piece (including packing)	35.2 g
Weight per piece (excluding packing)	31.072 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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### Mounting

Mounting type	Front mounting/square flange (4x Ø 3.2 mm)
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### Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
Signal	
Number of positions	16
Connection profile	16
Shielded	yes
Coding	N
Thread type	M23

### Material specifications

Material Housing	GD-Zn
Material Rotating parts	CuZn
Material Housing surface	Ni
Material Insulating body	PA 6.6
Material Seal	FPM (O-ring)
Flammability rating according to UL 94	V0

### Electrical properties

Contact	
Contact diameter	1 mm
Nominal current $I_N$	8 A
Nominal voltage $U_N$	48 V AC
	74 V DC
Overshoot category	III
Degree of pollution	3
Rated surge voltage	1.5 kV

### Connection data

Conductor connection	
Connection method	Crimp connection
Contact connection type	Pin

### Connector

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Type	straight
Direction of rotation	Standard

## 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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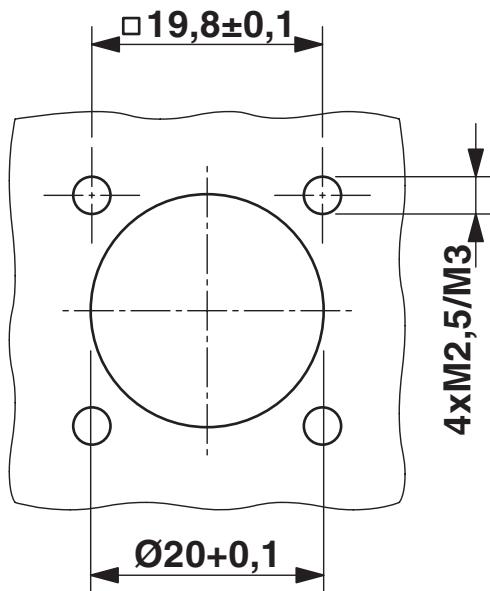


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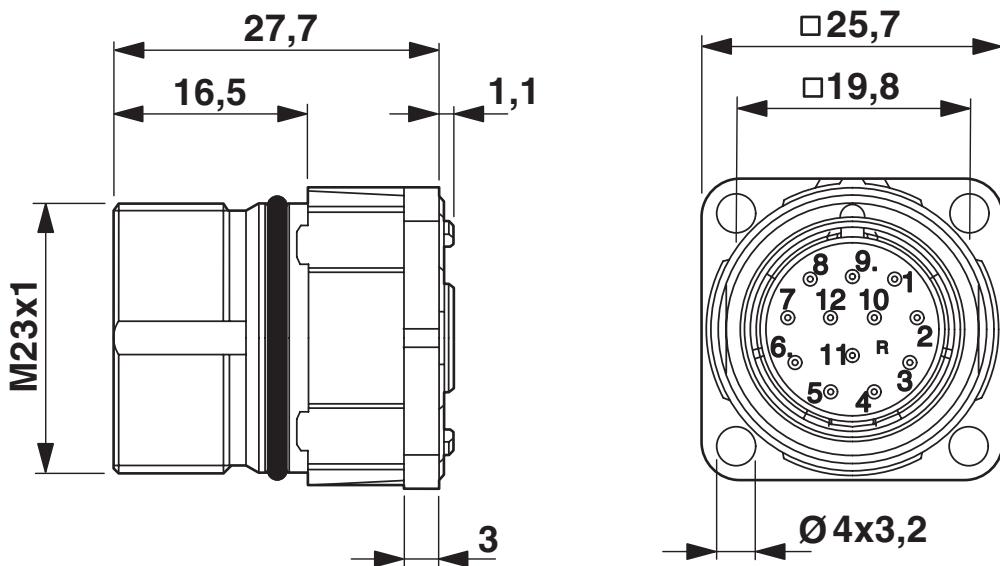
## Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing



Dimensional drawing

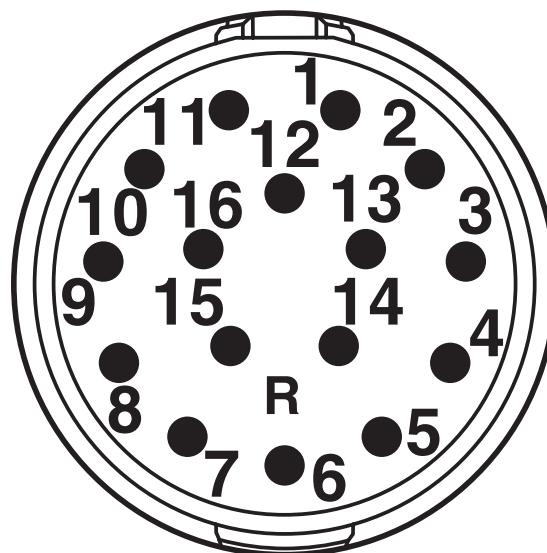
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Schematic diagram



Connector pin assignment

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1613766>

<b>cUL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
keine	48 V	1 A	26	-

<b>UL Recognized</b> Approval ID: E153698-20090723				
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## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 9.0	EC003569
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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