

# RF-17P1N8AWA00 - Device connector front mounting



1607860

<https://www.phoenixcontact.com/us/products/1607860>

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, number of positions: 17, 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
- Crimping connection: vibration- and temperature-resistant assembly

## Commercial data

Item number	1607860
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAFL
Catalog page	Page 112 (C-2-2019)
GTIN	4046356174947
Weight per piece (including packing)	35.5 g
Weight per piece (excluding packing)	31.1 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
Mounting	4x Ø 3.2

### Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
Signal	Signal
Number of positions	17
Connection profile	17
Shielded	yes
Coding	N
Thread type	M23

### Material specifications

Seal material	FPM
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

### Electrical properties

#### Contact

Contact diameter	1 mm
Max. current	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

Type	straight
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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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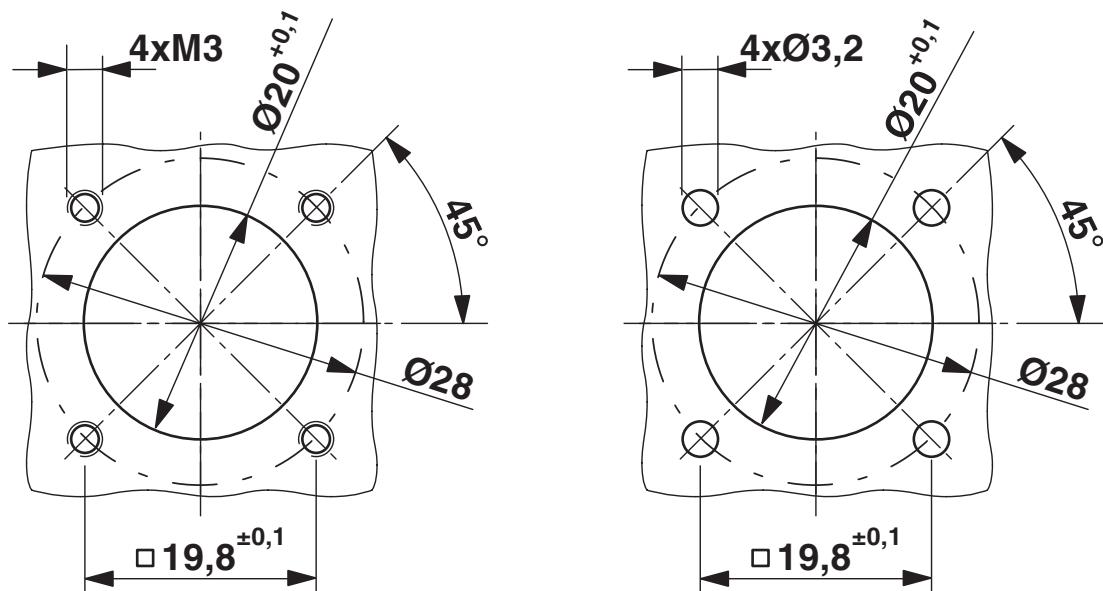


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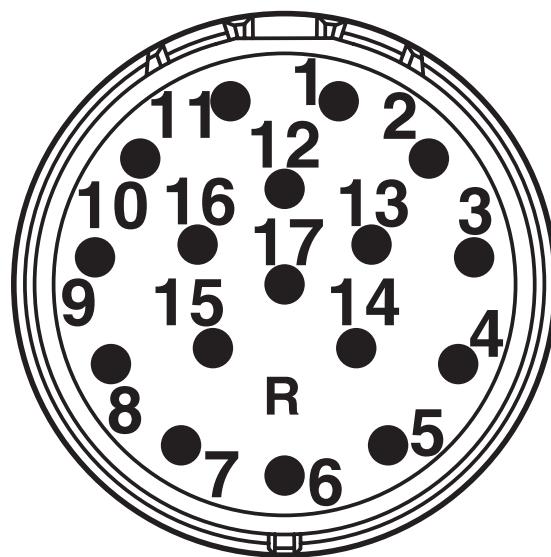
## Drawings

Dimensional drawing



Installation dimensions

Schematic diagram



Contact chamber numbering (view of plug-in side), standard pin

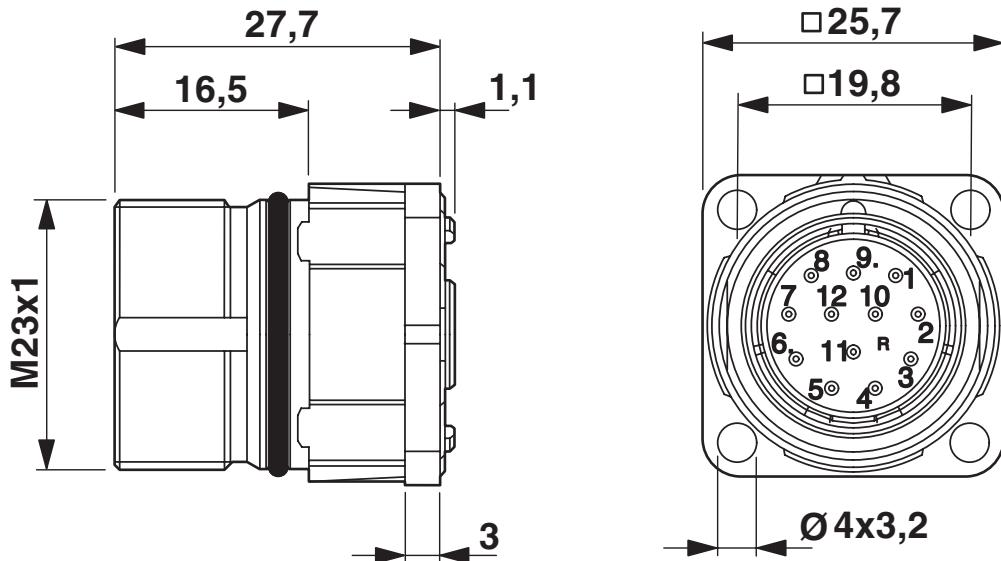
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Dimensional drawing



Dimensional drawing

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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607860>

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

UL Recognized				
Approval ID: E153698-20090723				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
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cULus Recognized
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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### 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, 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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