

# RF-17P1N8AWB00 - Device connector front mounting



1607863

<https://www.phoenixcontact.com/us/products/1607863>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 17, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 17, connection method: Crimp connection, series: RF, This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives.

## 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	1607863
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB31
Product key	ABRAGL
GTIN	4046356174985
Weight per piece (including packing)	30.4 g
Weight per piece (excluding packing)	28.116 g
Customs tariff number	85366990
Country of origin	DE

1607863

<https://www.phoenixcontact.com/us/products/1607863>

## Technical data

### Notes

Order information:

Order crimp contacts Ø 1 mm separately

### Mounting

Mounting type

Front mounting/square flange (4x Ø 3.2 mm)

### Product properties

Product type	Circular connectors (device side)
Series	RF
Application	Signal
	Signal
Number of positions	17
Connection profile	17
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)

### Electrical properties

#### Contact

Contact diameter	1 mm
Nominal current $I_N$	8 A
Nominal voltage $U_N$	48 V AC
	74 V DC
Overvoltage 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
------	----------

# RF-17P1N8AWB00 - Device connector front mounting



1607863

<https://www.phoenixcontact.com/us/products/1607863>

Direction of rotation	Standard
-----------------------	----------

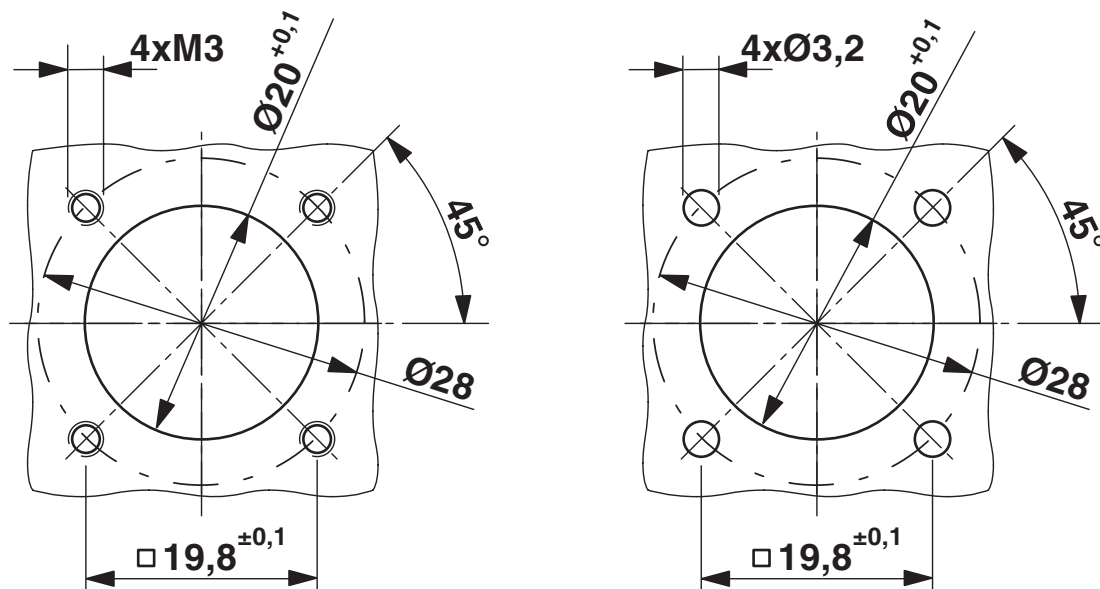
## Environmental and real-life conditions

### Ambient conditions

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

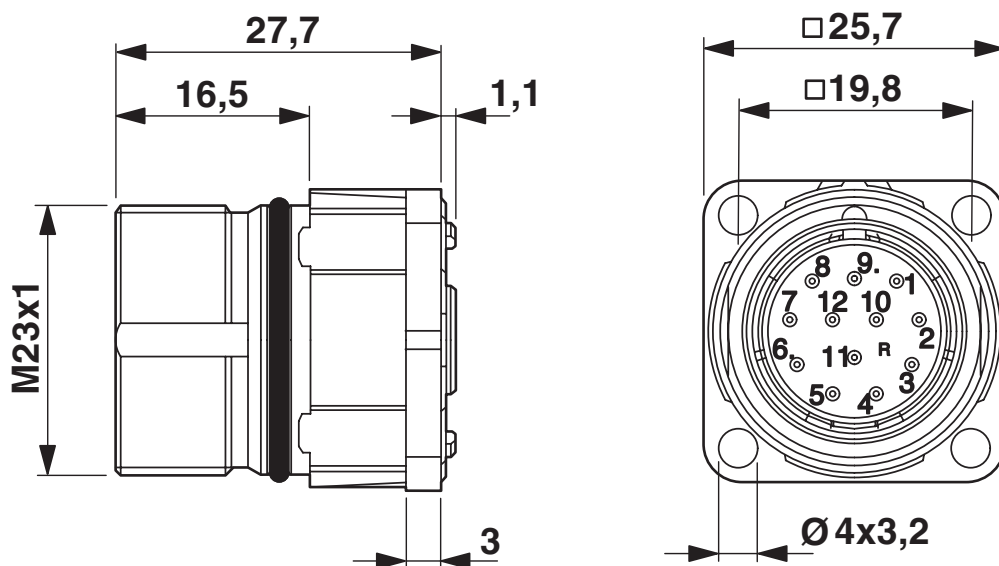
## Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

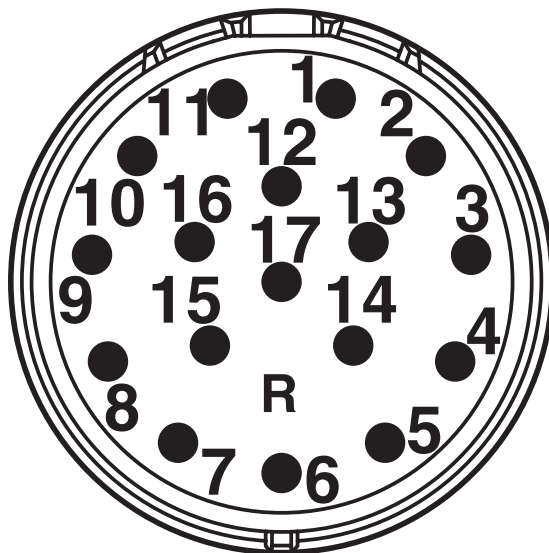


Dimensional drawing

1607863

<https://www.phoenixcontact.com/us/products/1607863>

Schematic diagram



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

# RF-17P1N8AWB00 - Device connector front mounting





1607863

<https://www.phoenixcontact.com/us/products/1607863>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1607863>

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

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

# RF-17P1N8AWB00 - Device connector front mounting



1607863

<https://www.phoenixcontact.com/us/products/1607863>

## Classifications

### ECLASS

ECLASS-13.0	27440109
ECLASS-15.0	27440109

### ETIM

ETIM 9.0	EC003569
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# RF-17P1N8AWB00 - Device connector front mounting



1607863

<https://www.phoenixcontact.com/us/products/1607863>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)