

# RF-12P1N8AW400 - Device connector front mounting



1607803

<https://www.phoenixcontact.com/us/products/1607803>

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Device connector front mounting, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, 4x Ø 2.7 mm, shielded: yes, number of positions: 12, connection method: Crimp connection, series: RF

## Commercial data

Item number	1607803
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB31
Product key	ABRAFL
GTIN	4046356267977
Weight per piece (including packing)	3.45 g
Weight per piece (excluding packing)	3.45 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 connectors (device side)
Series	RF
Application	Feedback, signal
	Signal
Number of positions	12
Connection profile	12
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
Nominal current $I_N$	8 A
Nominal voltage $U_N$	150 V
Overvoltage category	III
Degree of pollution	3
Rated surge voltage	2.5 kV

### Connection data

#### Conductor connection

Connection method	Crimp connection
Contact connection type	Pin

### Connector

Type	straight
Direction of rotation	Standard

### Environmental and real-life conditions

#### Ambient conditions

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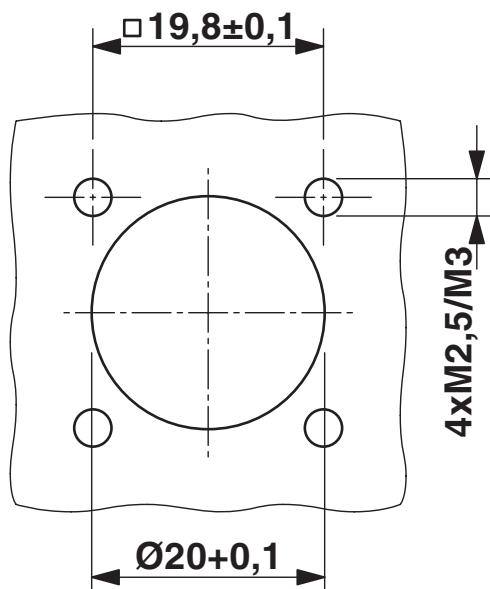
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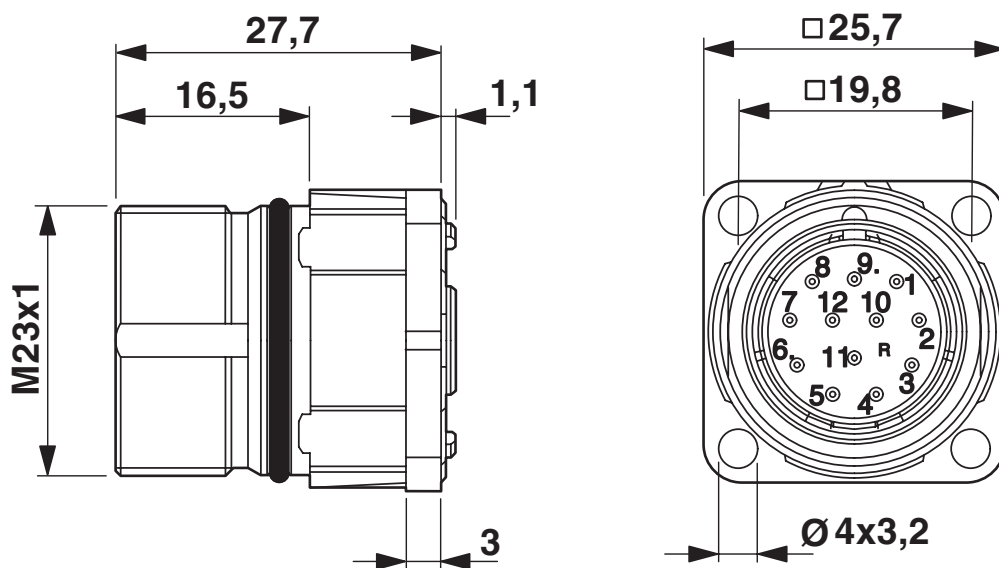
Degree of protection	IP67
Ambient temperature (operation)	-20 °C ... 125 °C
Altitude	2000 m

## Drawings

Dimensional drawing



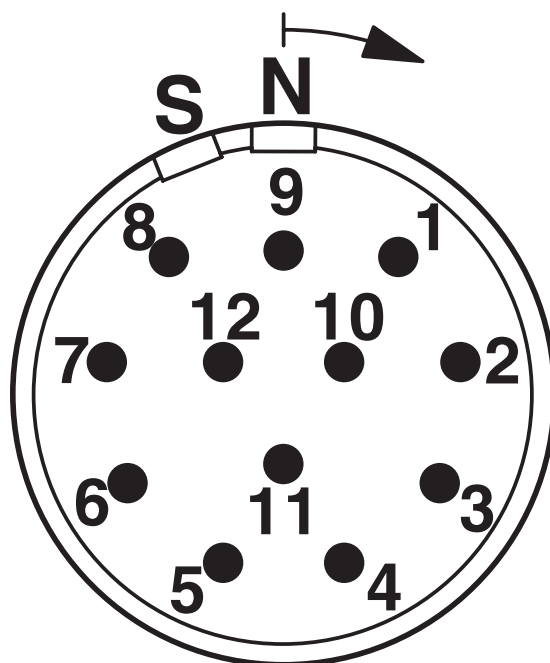
Dimensional drawing



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Schematic diagram





Environmental product compliance

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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