

# RF-12P2N8AWB00 - Device connector front mounting



1607817

<https://www.phoenixcontact.com/gb/products/1607817>

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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 3.2, shielded: yes, number of positions: 12, 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	1607817
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABRAFL
Product key	ABRAFL
Catalog page	Page 112 (C-2-2019)
GTIN	4046356174992
Weight per piece (including packing)	30 g
Weight per piece (excluding packing)	3.31 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
Number of positions	12
Connection profile	12
Shielded	yes
Coding	N
Thread type	M23

### Data management status

Article revision	02
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### 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
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

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## Connector

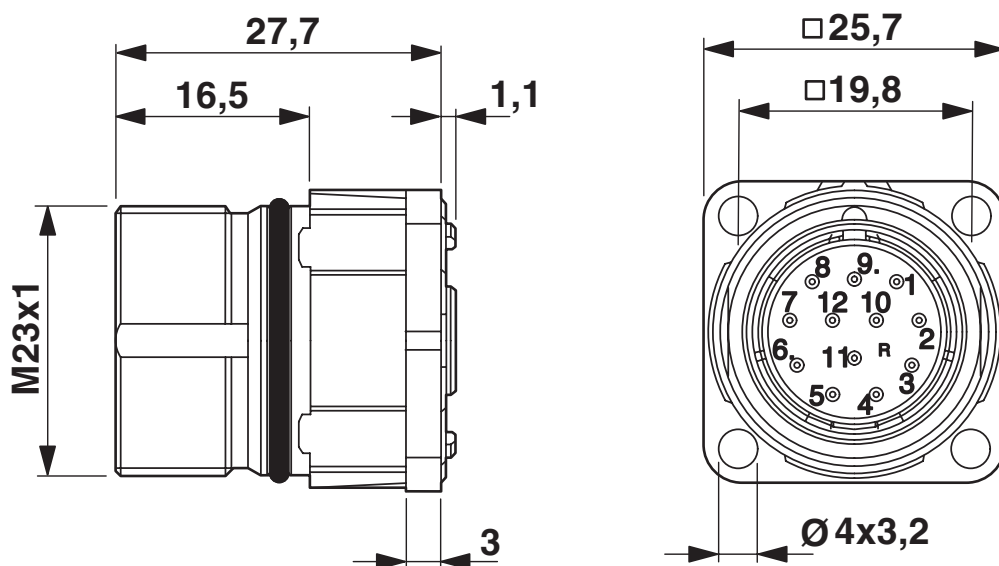
Type	straight
Direction of rotation	Counter direction

## Environmental and real-life conditions

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

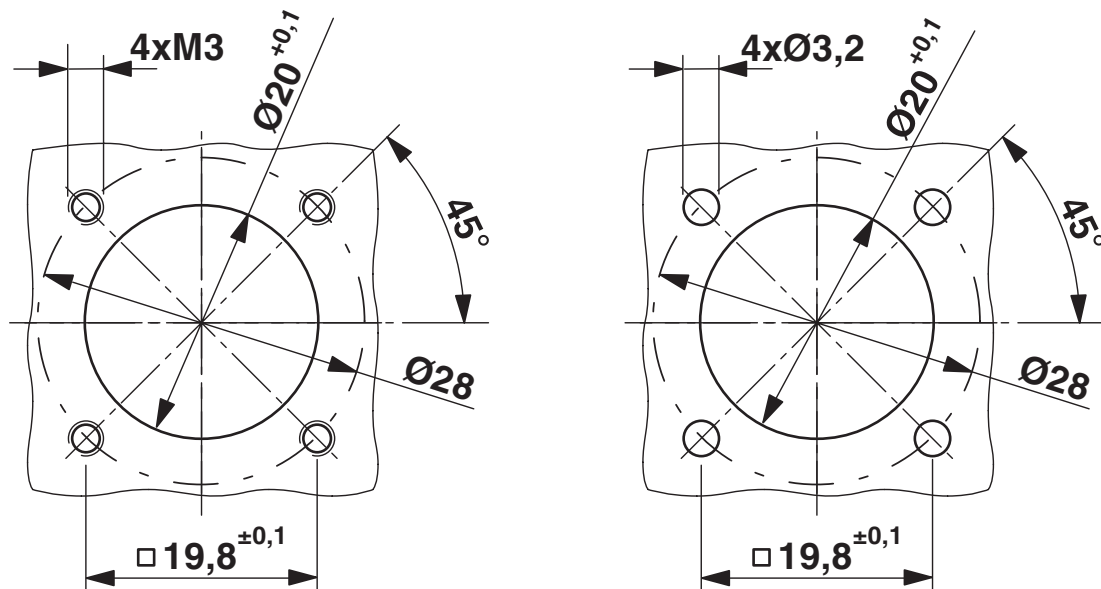
## Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing

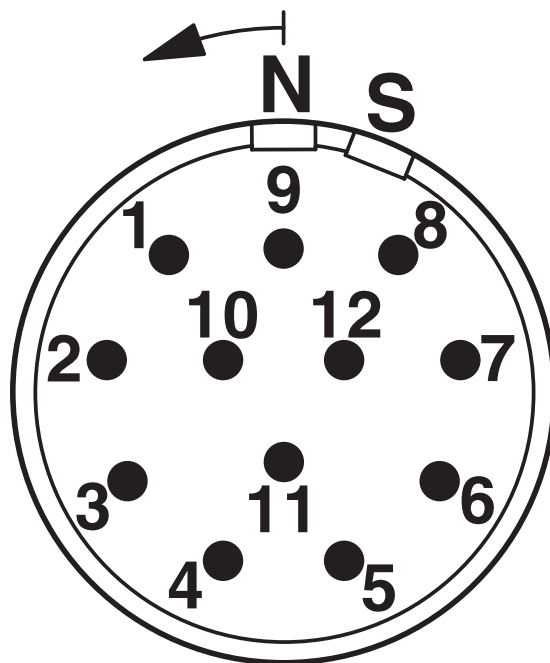


Installation dimensions

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Schematic diagram




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


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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1607817>

 <b>cUL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20 - 20	-

 <b>UL Recognized</b> Approval ID: E153698-20090723				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	48 V	5 A	20 - 20	-

<b>cULus Recognized</b>				
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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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