# RF-12P2N8AWA00 - Device connector front mounting

1607260

https://www.phoenixcontact.com/us/products/1607260

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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 | 1607260 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAGL |
| Catalog page | Page 112 (C-2-2019) |
| GTIN | 4046356174954 |
| Weight per piece (including packing) | 35.4 g |
| Weight per piece (excluding packing) | 29.5 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Order information: | Order crimp contacts Ø 1 mm separately |

### 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 |

### 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 |

#### Connector

| | |
|---|---|
| Type | straight |

| Direction of rotation | Counter direction |
|---|---|

## Environmental and real-life conditions

### Ambient conditions

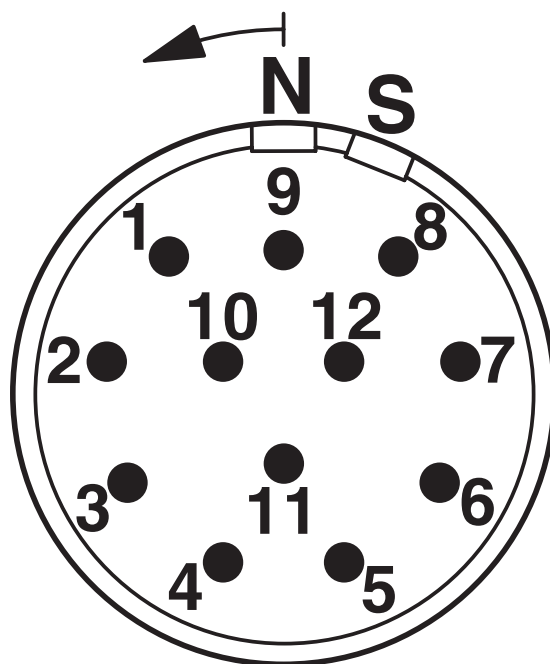| Degree of protection | IP67 |
|---|---|
| Ambient temperature (operation) | -40 °C ... 125 °C |
| Altitude | 2000 m |

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## Drawings

### Dimensional drawing
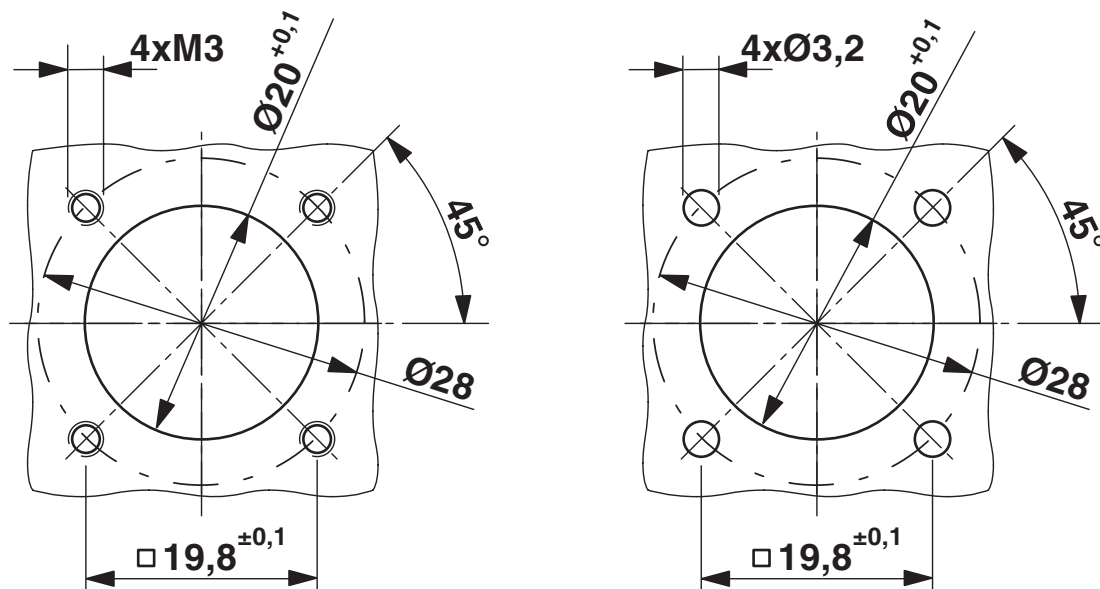


Installation dimensions

### Schematic diagram



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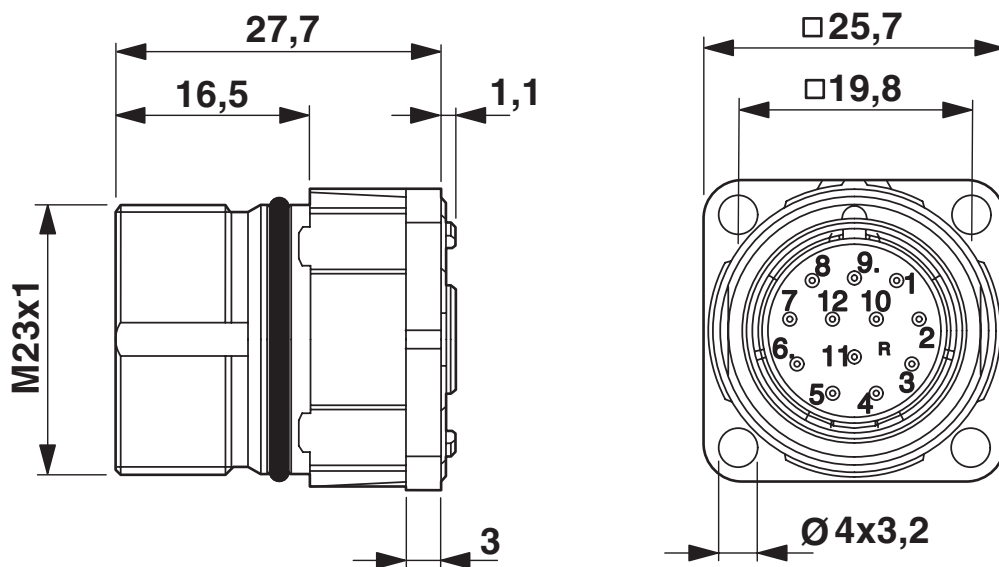
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## Dimensional drawing



Dimensional drawing

## Approvals

💡 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1607260

**cUL Recognized**
Approval ID: E153698-20090723

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section mm$^2$ |
|---|---|---|---|---|
| | 48 V | 5 A | 20 - 20 | - |

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| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section mm$^2$ |
|---|---|---|---|---|
| | 48 V | 5 A | 20 - 20 | - |

**cULus Recognized**

## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC002635 |

### UNSPSC

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

## 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% |

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