# RF-12P1N8AWA00 - Device connector front mounting

1607236

https://www.phoenixcontact.com/us/products/1607236

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CRIMP



Device connector front mounting, application: Signal, straight, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, shielded: yes, number of positions: 12, 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. Alternative products: 1629088

## 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 | 1607236 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAGL |
| GTIN | 4046356174930 |
| Weight per piece (including packing) | 35.5 g |
| Weight per piece (excluding packing) | 31.263 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/square flange (4x Ø 3.2 mm) |

### Product properties

| | |
|---|---|
| Product type | Circular connectors (device side) |
| Series | RF |
| Application | Signal |
| Number of positions | 12 |
| Connection profile | 12 |
| 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 |
| Direction of rotation | Standard |

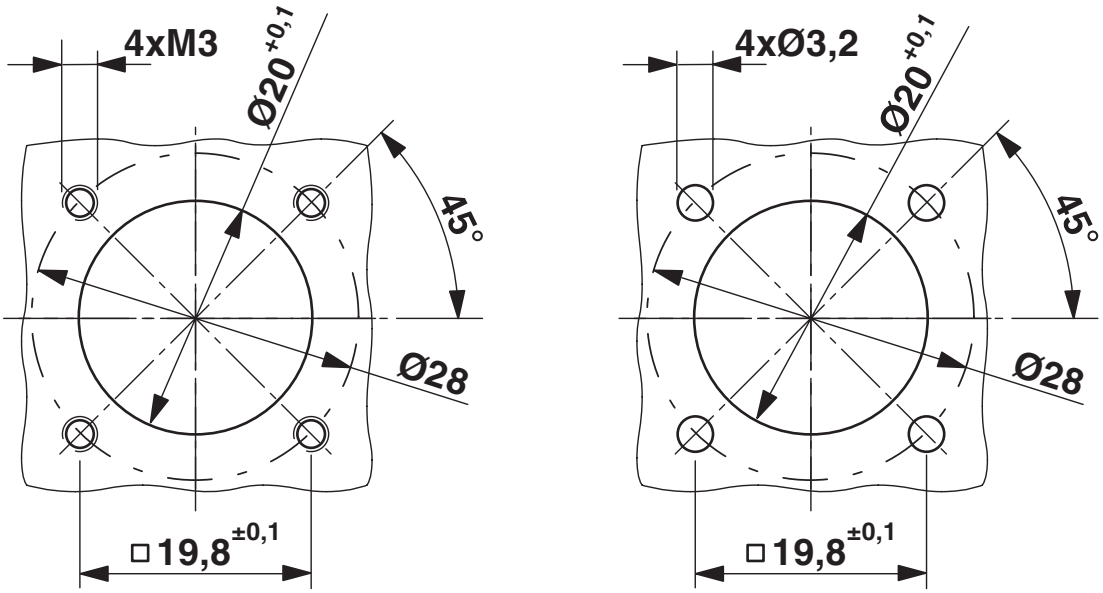
## Environmental and real-life conditions

### Ambient conditions

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

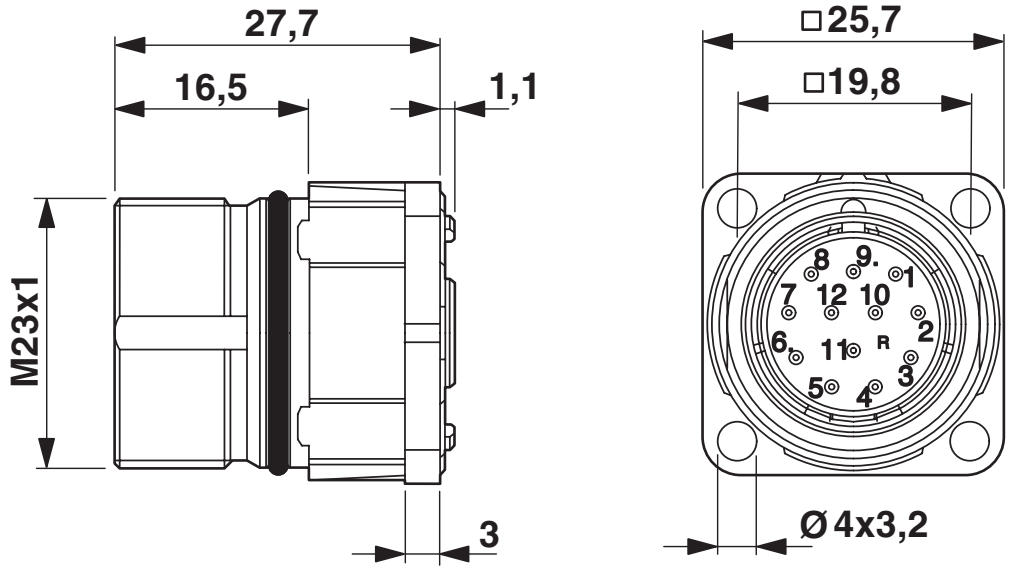
## Drawings

Dimensional drawing



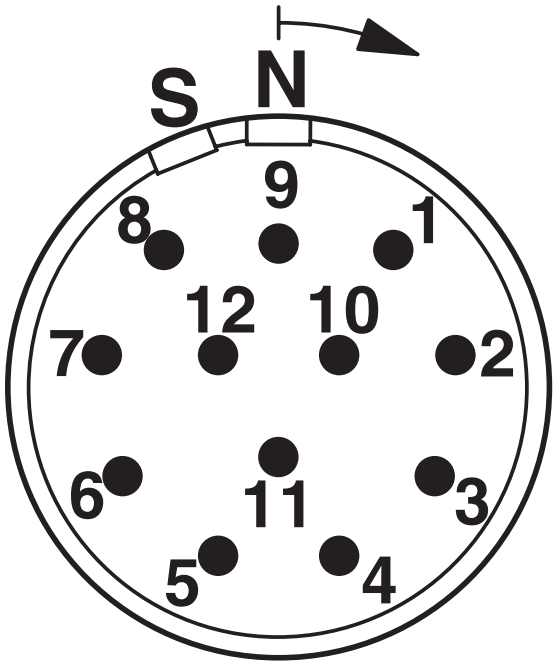

Installation dimensions

Dimensional drawing




Dimensional drawing

Schematic diagram




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

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1607236

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

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

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

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003569 |

### 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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