

# RF-12P1N8AWA00 - Device connector front mounting



1607236

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

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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            |

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## 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 |

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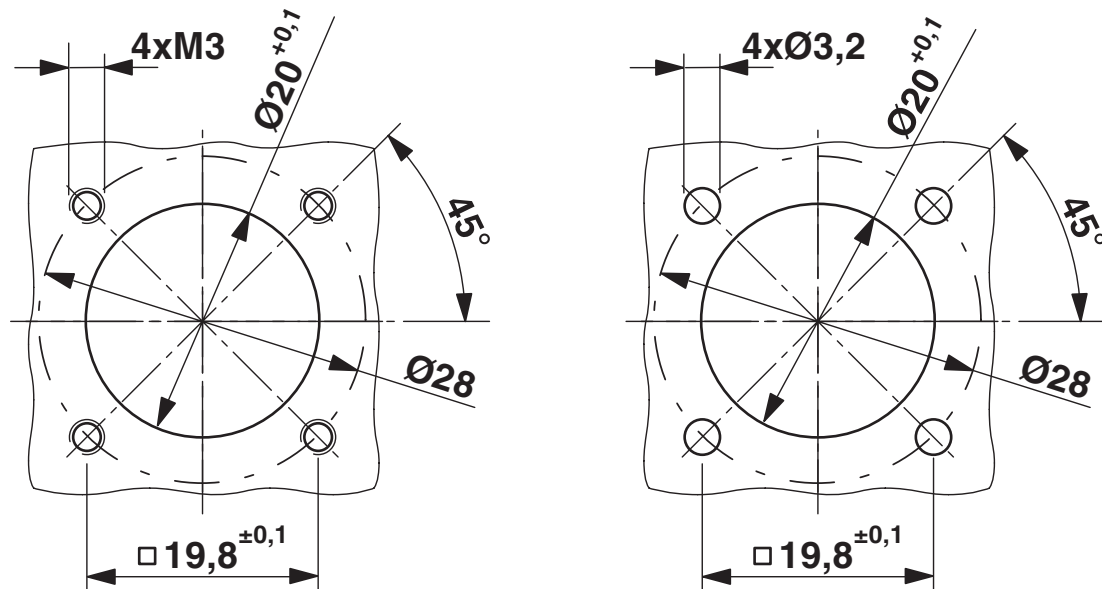
## Environmental and real-life conditions

### Ambient conditions

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

Drawings

Dimensional drawing



Installation dimensions

Dimensional drawing

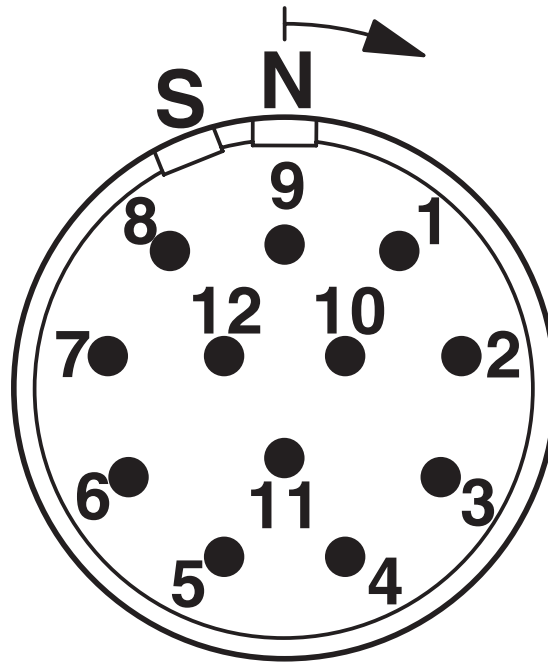


Dimensional drawing

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Schematic diagram



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

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## Approvals

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

|  <b>cUL Recognized</b><br>Approval ID: E153698-20090723 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 48 V                  | 5 A                   | 20                | -                           |

|  <b>UL Recognized</b><br>Approval ID: E153698-20090723 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 48 V                  | 5 A                   | 20                | -                           |

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## 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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