

# RF-12P1N8AWV00 - Device connector front mounting



1613701

<https://www.phoenixcontact.com/us/products/1613701>

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Device connector front mounting, application: Feedback, signal, 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

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1613701                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAGL                         |
| GTIN                                 | 4046356401777                  |
| Weight per piece (including packing) | 38.63 g                        |
| Weight per piece (excluding packing) | 38.63 g                        |
| Country of origin                    | DE                             |

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## Technical data

### Notes

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

### Product properties

|                     |                                   |
|---------------------|-----------------------------------|
| Product type        | Circular connectors (device side) |
| Series              | RF                                |
| Application         | Feedback, signal<br>Signal        |
| Number of positions | 12                                |
| Connection profile  | 12                                |
| Shielded            | yes                               |
| Coding              | N                                 |
| Thread type         | M23                               |

### Material specifications

|                            |                         |
|----------------------------|-------------------------|
| Seal material              | FPM                     |
| Housing material           | High-grade steel 1.4305 |
| 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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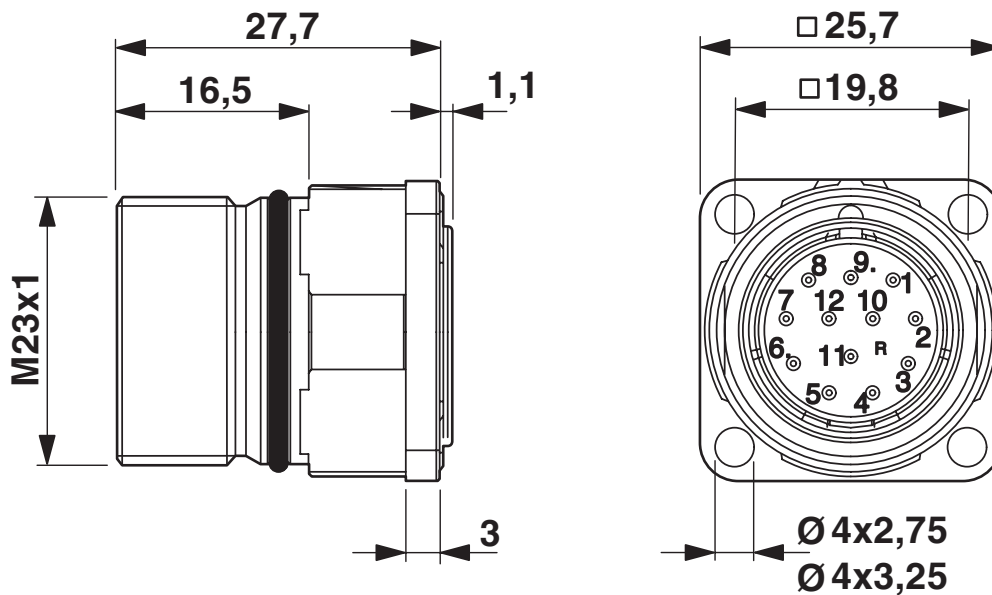
|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP67              |
| Ambient temperature (operation) | -20 °C ... 125 °C |
| Altitude                        | 2000 m            |

Drawings

Dimensional drawing



Dimensional drawing



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## 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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