

1620678  
<https://www.phoenixcontact.com/us/products/1620678>

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Device connector front mounting, angled rotatable, Screw locking mechanism, M23, number of positions: 12, contact connection type: Pin, Axial O-ring, 4x Ø 3.2, shielded: yes, flange dimensions: 28 mm x 28 mm, number of positions: 12, connection method: Crimp connection, series: RF

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1620678                        |
| Packing unit                         | 16 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAGM                         |
| GTIN                                 | 4046356846028                  |
| Weight per piece (including packing) | 66.66 g                        |
| Weight per piece (excluding packing) | 66.66 g                        |
| Country of origin                    | DE                             |

# RF-12P1N8AA600 - Device connector front mounting



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## Technical data

### Notes

|                    |                                           |
|--------------------|-------------------------------------------|
| Order information: | Order 12 x 1 mm crimp contacts separately |
|--------------------|-------------------------------------------|

### 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                               |

### Dimensions

#### Housing

|                   |               |
|-------------------|---------------|
| Flange dimensions | 28 mm x 28 mm |
|-------------------|---------------|

### Material specifications

|                  |       |
|------------------|-------|
| Seal material    | FPM   |
| Housing material | Metal |

### 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                  | angled rotatable |
| Direction of rotation | Standard         |

### Environmental and real-life conditions

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## Ambient conditions

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

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## Environmental product compliance

EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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