

RF-12S2N8AAC00 - Device connector front mounting



1607842

<https://www.phoenixcontact.com/us/products/1607842>

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The figure shows the product version with standard contact chamber numbering

Device connector front mounting, application: Feedback, signal, angled rotatable, Screw locking mechanism, M23, number of positions: 12, contact connection type: Socket, 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

Your advantages

- Easy connection, thanks to infinitely adjustable cable outlet direction up to 310°
- 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 | 1607842 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | AB33 |
| Product key | ABRAGM |
| GTIN | 4046356268769 |
| Weight per piece (including packing) | 3.45 g |
| Weight per piece (excluding packing) | 3.45 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 |
|--------------------|--|

Product properties

| | |
|---------------------|-----------------------------------|
| Product type | Circular connectors (device side) |
| Series | RF |
| Application | Feedback, signal 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 | 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 |
| 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 | Socket |

Connector

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| | |
|-----------------------|-------------------|
| Type | angled rotatable |
| Direction of rotation | Counter direction |

Environmental and real-life conditions

Ambient conditions

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

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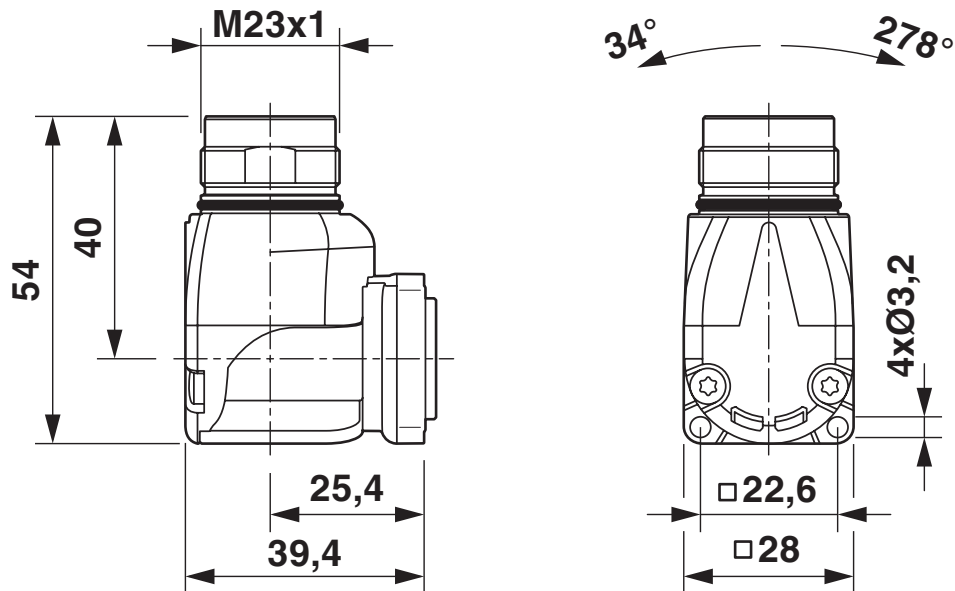


1607842

<https://www.phoenixcontact.com/us/products/1607842>

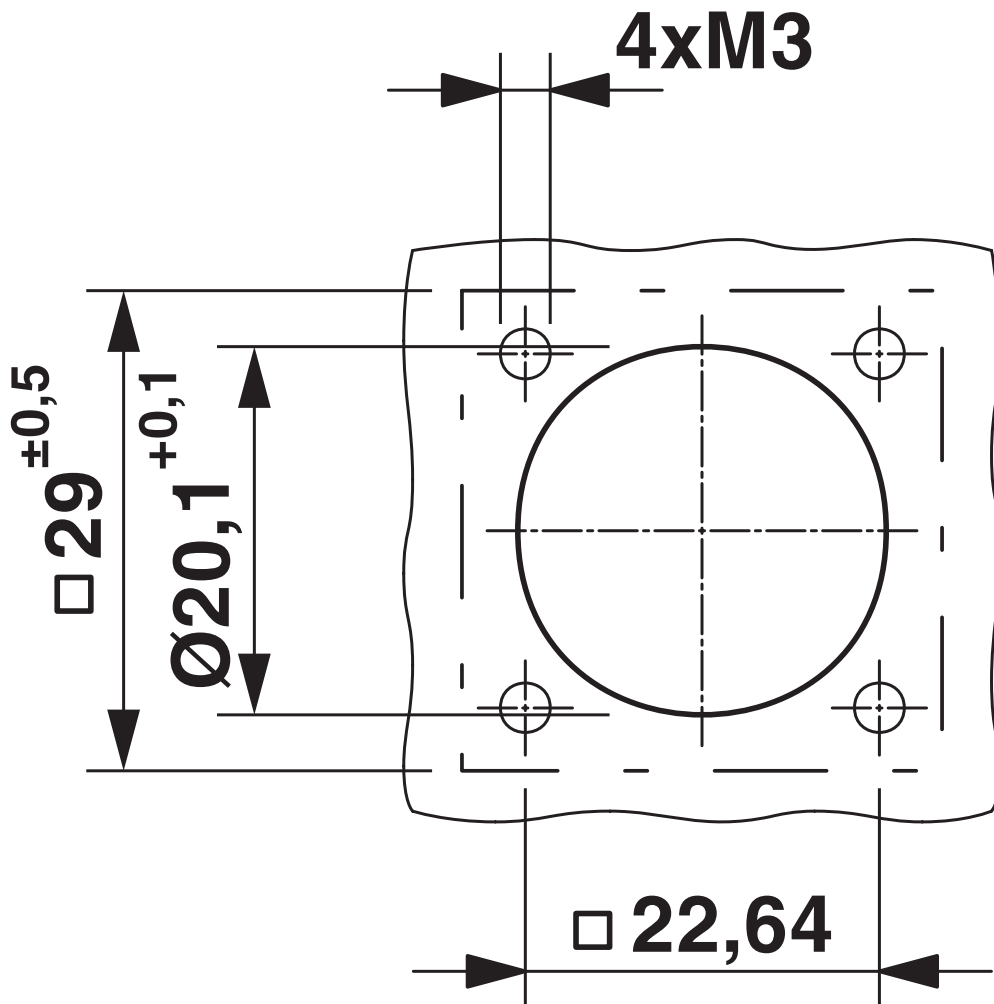
Drawings

Dimensional drawing



Dimensional drawing

Dimensional drawing

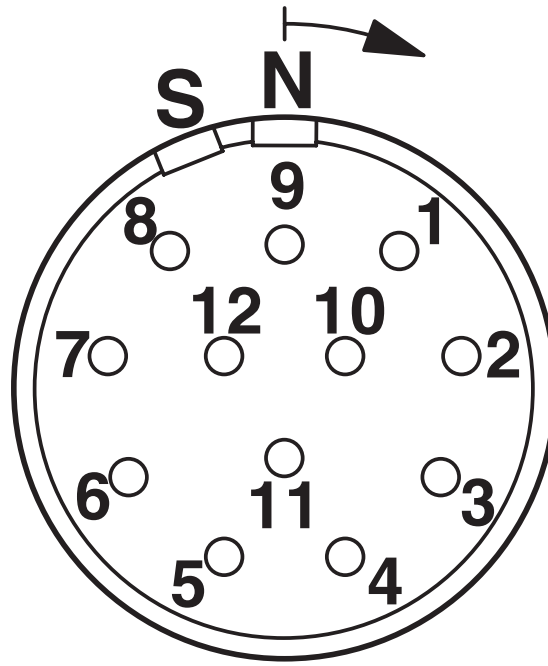


Drill holes

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Schematic diagram



Contact chamber numbering (view of plug-in side), socket counter direction

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Classifications

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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