

# RC-09P1N12B249 - Front panel feed-through



1595132

<https://www.phoenixcontact.com/us/products/1595132>

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M23, Front panel feed-through, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Pin, Solder cup, Radial O-ring, Panel thickness min.: 3 mm, Panel thickness max.: 7 mm, cable diameter range: 6.5 mm ... 7.5 mm, coding: N

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1595132                        |
| Packing unit                         | 20 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAFJ                         |
| GTIN                                 | 4046356205344                  |
| Weight per piece (including packing) | 77.24 g                        |
| Weight per piece (excluding packing) | 77.24 g                        |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|              |                                 |
|--------------|---------------------------------|
| Product type | Circular connector (cable-side) |
|--------------|---------------------------------|

### Connector

#### Insulating body

|   |  |
|---|--|
| Coding  | N  |
| Material (Insulating body)                      | PBT                                      |
| Material (Contact)                              | CuZn                                     |
| Material (Contact surface)                      | Ni/Au                                    |
| Insertion/withdrawal cycles                     | 50                                       |
| Connection method                               | Solder cup                               |
| Contact switching type                          | Pin                                      |
| Application                                     | Signal                                   |
| Number of positions                             | 9  |
| Direction of rotation                           | Standard                                 |
| Connection profile                              | 8+1                                      |
| Number (Contact group 1)                        | 1  |
| Contact diameter (Contact group 1)              | 2 mm                                     |
| Litz wires Min. cross section (Contact group 1) | 0.08 mm <sup>2</sup>                     |
| Litz wires Max. cross section (Contact group 1) | 2.5 mm <sup>2</sup>                      |
| Rated current Contact (Contact group 1)         | 20 A (for max. connection cross section) |
| Rated voltage Contact (Contact group 1)         | 48 V AC<br>74 V DC                       |
| Rated surge voltage                             | 1.5 kV                                   |
| Overvoltage category                            | III                                      |
| Degree of pollution                             | 3  |
| Number (Contact group 2)                        | 8  |
| Contact diameter (Contact group 2)              | 1 mm                                     |
| Litz wires Max. cross section (Contact group 2) | 1 mm <sup>2</sup>                        |
| Rated current Contact (Contact group 2)         | 8 A                                      |
| Rated voltage Contact (Contact group 2)         | 48 V AC<br>48 V AC                       |

#### Housing

|                     |  |
|---------------------|--|
| Type                | Feed-through header without insert         |
| Thread type         | M23  |
| Design              | straight                                   |
| Type of locking     | Screw locking mechanism                    |
| Pg screw connection | none                                       |
| Mounting type       | Front mounting/square flange (4x Ø 2.7 mm) |
| Material (Housing)  | GD-Zn                                      |

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|                                   |               |
|-----------------------------------|---------------|
| Material (Rotating parts)         | CuZn          |
| Degree of protection (plugged in) | IP67          |
| Seal for the device               | Radial O-ring |

## Seal

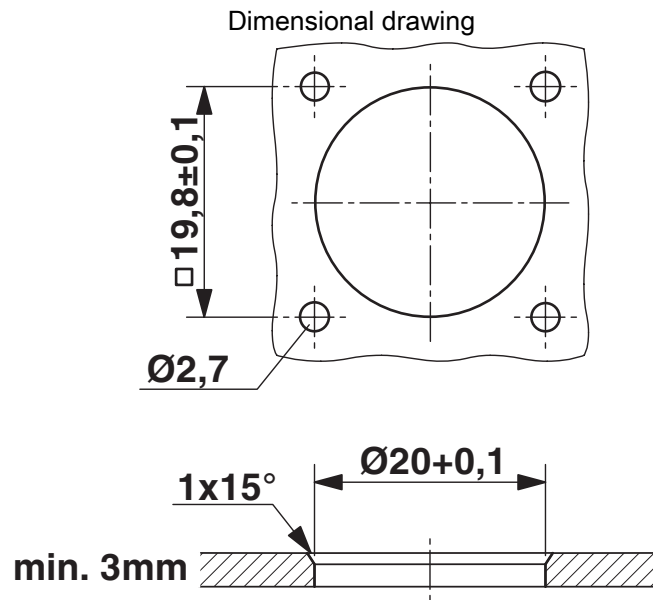
|                         |                   |
|-------------------------|-------------------|
| External cable diameter | 6.5 mm ... 7.5 mm |
|-------------------------|-------------------|

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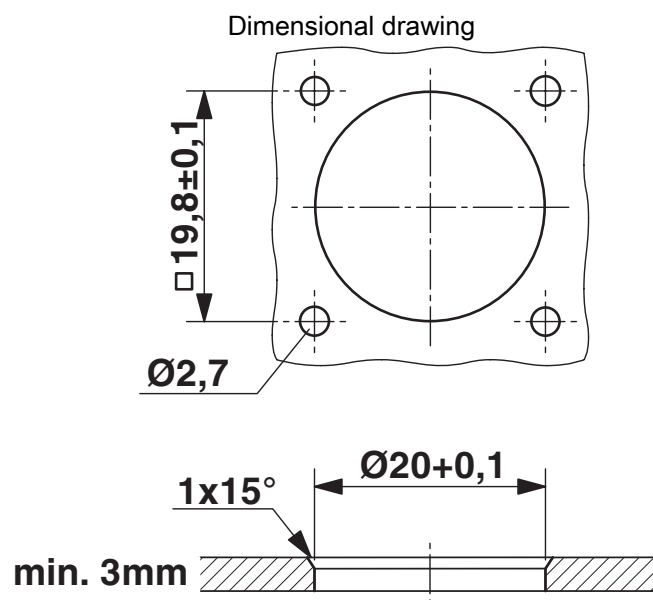
1595132

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## Drawings



## Installation dimensions



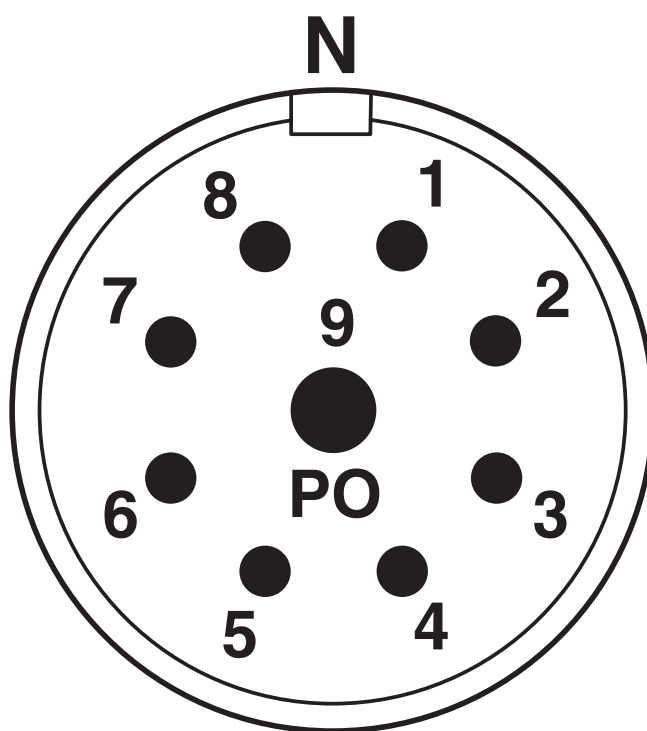
## Installation dimensions

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1595132

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Schematic diagram



Connector pin assignment

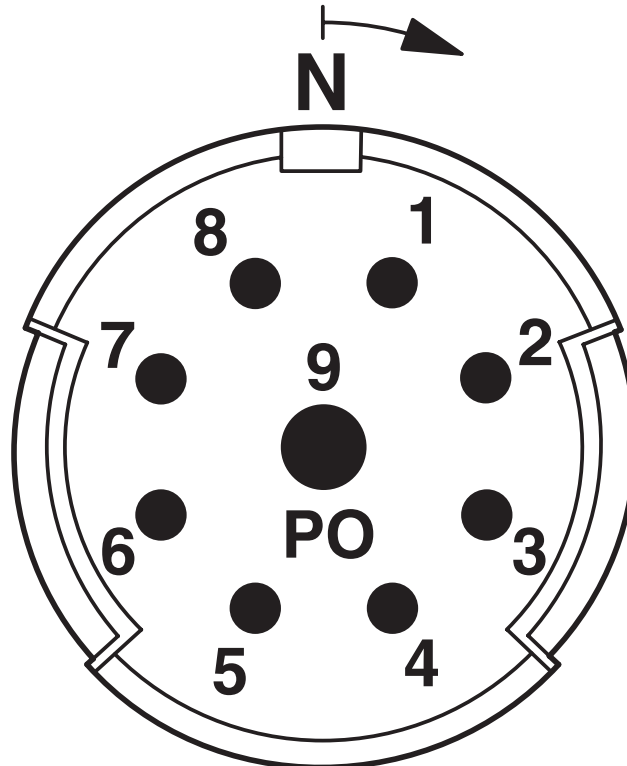
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1595132

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Schematic diagram



Connector pin assignment

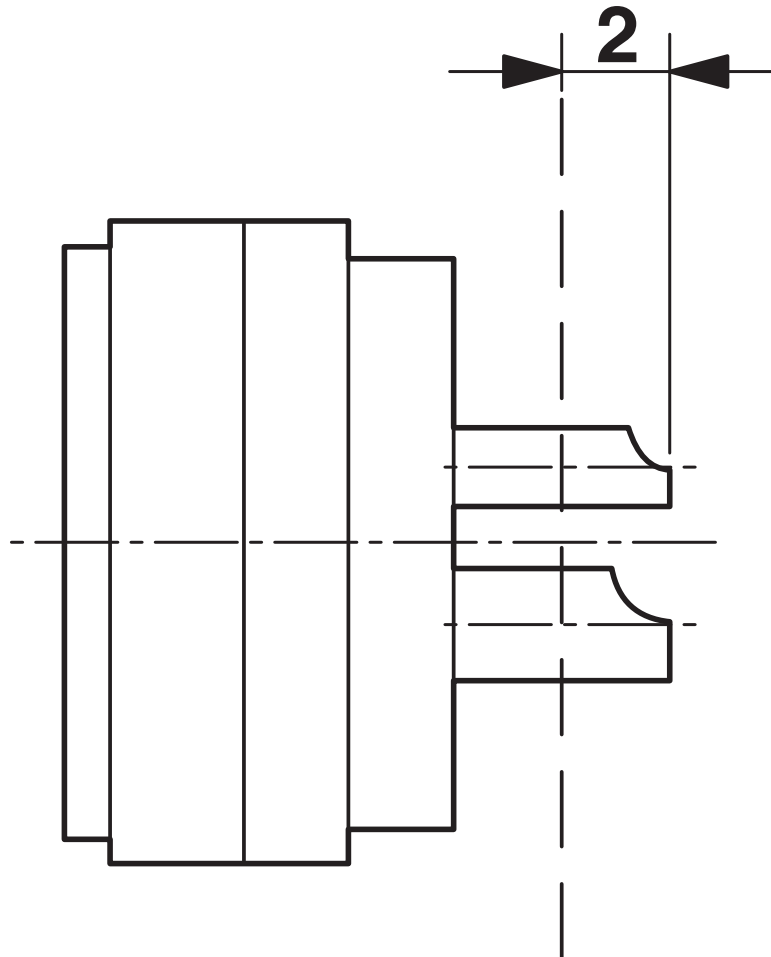
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Schematic diagram



Dimensional drawing

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## Environmental product compliance

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

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

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