

1595817

<https://www.phoenixcontact.com/us/products/1595817>

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M23, Device connector front mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 8+1, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Flat gasket, coding: N

Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1595817                        |
| Packing unit                         | 40 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAFL                         |
| GTIN                                 | 4046356208413                  |
| Weight per piece (including packing) | 29.5 g                         |
| Weight per piece (excluding packing) | 29.5 g                         |
| Country of origin                    | DE                             |

# RC-09S1N12201G - Device connector front mounting



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## Technical data

### Product properties

|              |                                   |
|--------------|-----------------------------------|
| Product type | Circular connectors (device side) |
|--------------|-----------------------------------|

### Material specifications

|                  |       |
|------------------|-------|
| Housing material | Metal |
|------------------|-------|

### 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                                 | Socket                                   |
| Application                                            | Signal                                   |
| Number of positions                                    | 9                                        |
| Direction of rotation                                  | Standard                                 |
| Connection profile                                     | 8+1                                      |
| Number Contact (Contact group 1)                       | 1                                        |
| Diameter Contact (Contact group 1)                     | 2 mm                                     |
| Litz wire cross-section min. Contact (Contact group 1) | 0.08 mm <sup>2</sup>                     |
| Litz wire cross-section max. Contact (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 (Contact group 2)                       | 8                                        |
| Diameter Contact (Contact group 2)                     | 1 mm                                     |
| Litz wire cross-section min. Contact (Contact group 2) | 0.08 mm <sup>2</sup>                     |
| Litz wire cross-section max. Contact (Contact group 2) | 1 mm <sup>2</sup>                        |
| Rated current Contact (Contact group 2)                | 8 A (for max. connection cross section)  |
| Rated voltage Contact (Contact group 2)                | 48 V AC<br>48 V AC                       |

#### Housing

|             |                |
|-------------|----------------|
| Type        | Flange housing |
| Thread type | M23            |
| Design      | straight       |

# RC-09S1N12201G - Device connector front mounting

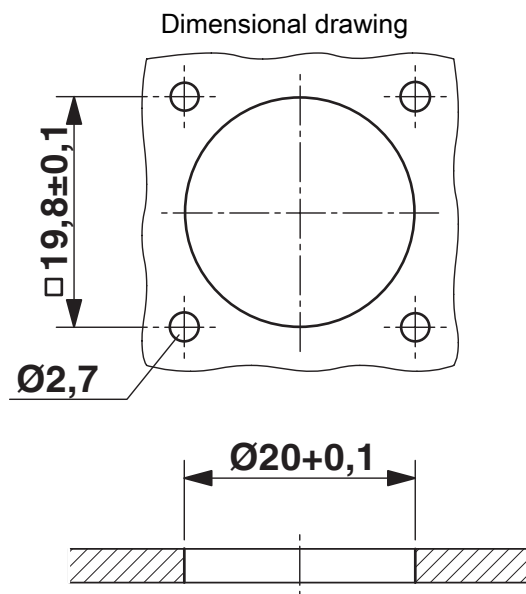


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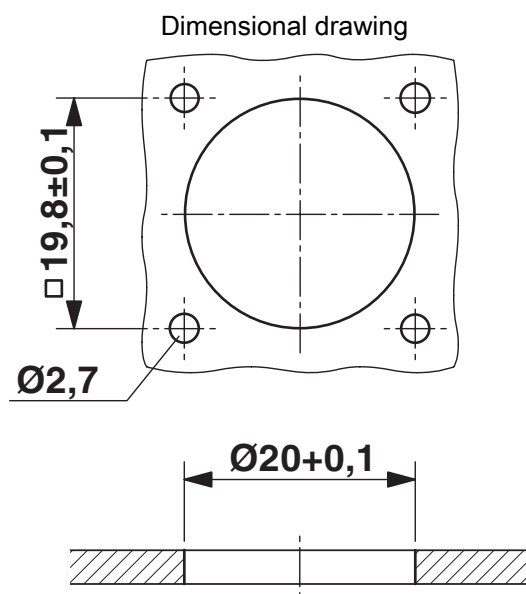
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|                                   |                                            |
|-----------------------------------|--------------------------------------------|
| Type of locking                   | Screw locking mechanism                    |
| Pg screw connection               | none                                       |
| Mounting type                     | Front mounting/square flange (4x Ø 2.7 mm) |
| Material (Housing)                | Metal                                      |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Flat gasket                                |

## Drawings



## Installation dimensions



## Installation dimensions

Schematic diagram

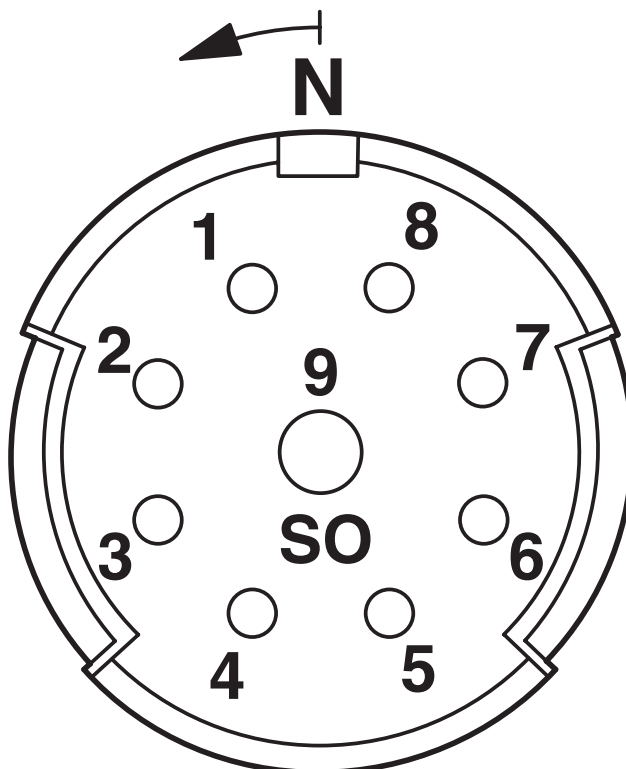


Connector pin assignment

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Schematic diagram

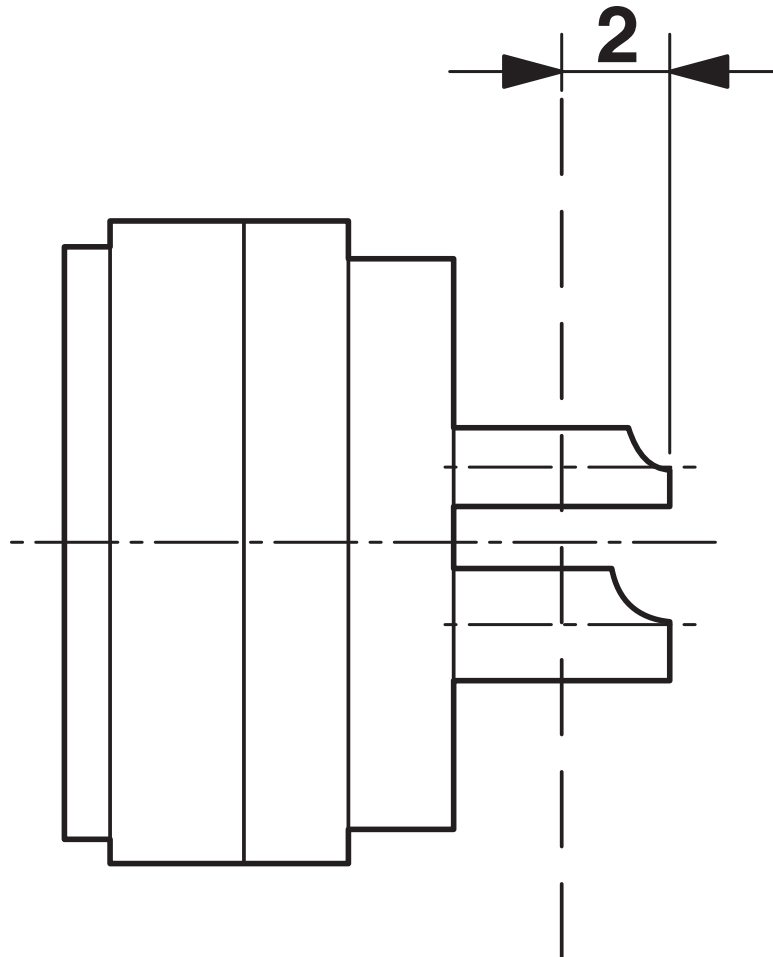


Connector pin assignment

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Schematic diagram



Dimensional drawing

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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