

# RC-07P1N8AE000 - Device connector front mounting



1594472

<https://www.phoenixcontact.com/us/products/1594472>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Device connector front mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Radial O-ring, Panel thickness min.: 3 mm, Panel thickness max.: 10.5 mm, coding: N, this item is expected to be lead-free from Q1 2027 in accordance with RoHS II without exception 6c (Pb < 0.1%), a lead-free alternative is possible on request in advance

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1594472                        |
| Packing unit                         | 40 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | AB31                           |
| Product key                          | ABRAFL                         |
| GTIN                                 | 4046356201582                  |
| Weight per piece (including packing) | 38.935 g                       |
| Weight per piece (excluding packing) | 37.03 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

# RC-07P1N8AE000 - Device connector front mounting



1594472

<https://www.phoenixcontact.com/us/products/1594472>

## Technical data

### Notes

|                    |  |
|--------------------|--|
| Order information: | Order crimp contacts Ø 2 mm separately |
|--------------------|--|

### Product properties

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

### Material specifications

|  |    |
|--|----|
| Flammability rating according to UL 94 | V0 |
|--|----|

### Connection data

#### Conductor connection

|                   |                   |
|-------------------|-------------------|
| Connection method | Solder connection |
|-------------------|-------------------|

### Connector

#### Insulating body

|   |   |
|---|---|
| Note                                    | Order information: Order crimp contacts Ø 2 mm separately |
| Coding                                  | N   |
| Connection method                       | Crimp connection  |
| Contact switching type                  | Pin   |
| Application                             | Signal  |
| Number of positions                     | 7   |
| Direction of rotation                   | Standard  |
| Connection profile                      | 7   |
| Number Contact (Contact group 1)        | 7   |
| Diameter Contact (Contact group 1)      | 2 mm  |
| 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   |

#### Housing

|                                   |                         |
|-----------------------------------|-------------------------|
| Thread type                       | M23                     |
| Type of locking                   | Screw locking mechanism |
| Pg screw connection               | none                    |
| Housing material                  | GD-Zn                   |
| Degree of protection (plugged in) | IP67                    |

### Environmental and real-life conditions

#### Ambient conditions

# RC-07P1N8AE000 - Device connector front mounting

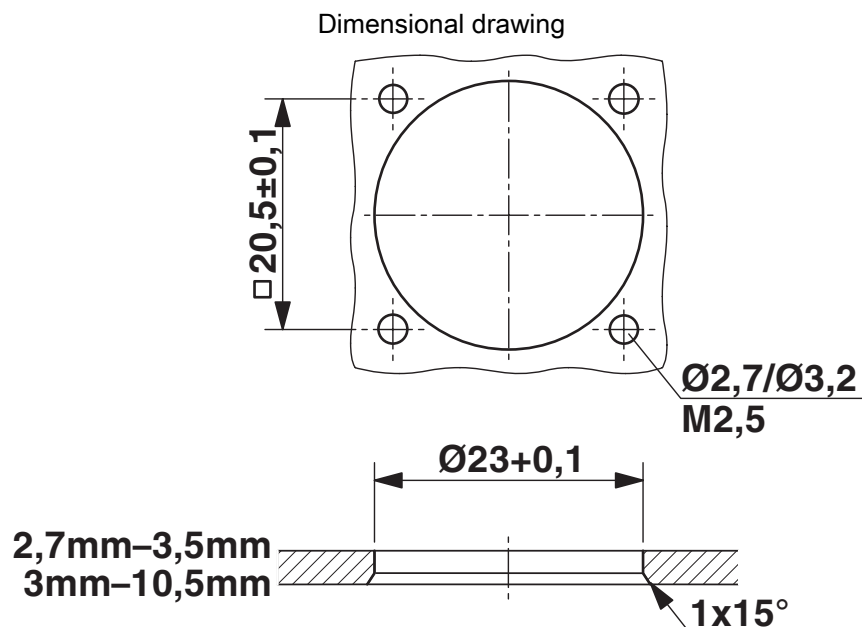


1594472

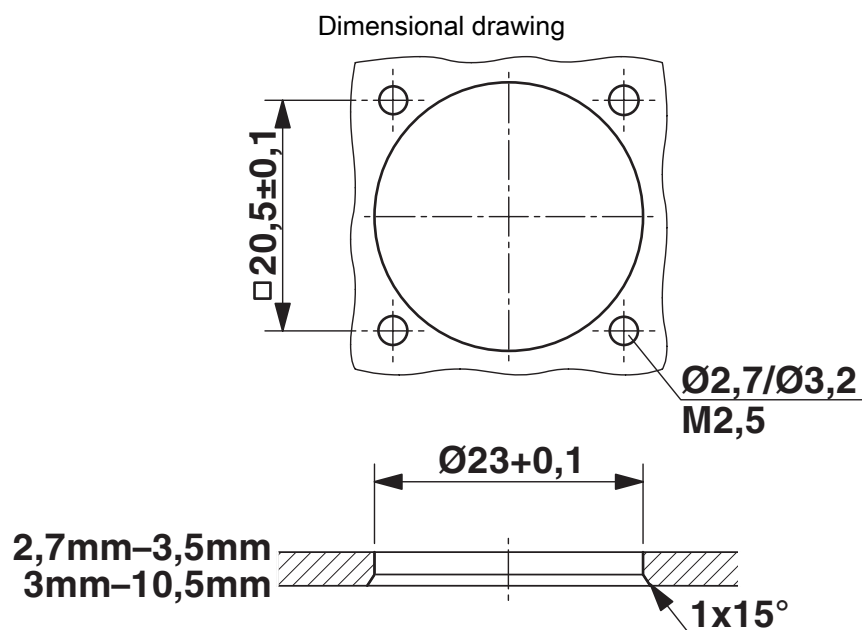
<https://www.phoenixcontact.com/us/products/1594472>

|  |                 |
|--|-----------------|
| Degree of protection                     | IP67            |
| Ambient temperature (storage/transport)  | 15 °C ... 25 °C |
| Permissible humidity (storage/transport) | 50 % ... 65 %   |

## Drawings



## Installation dimensions

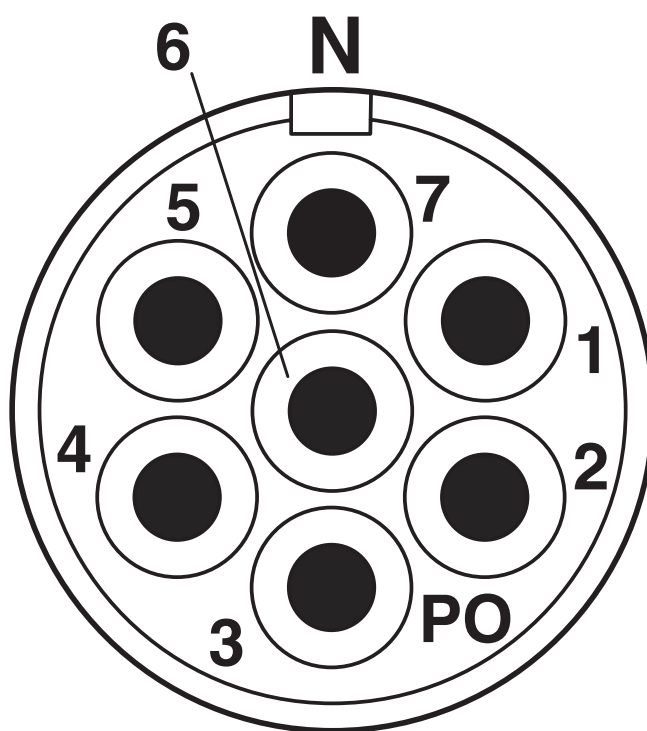


## Installation dimensions

1594472

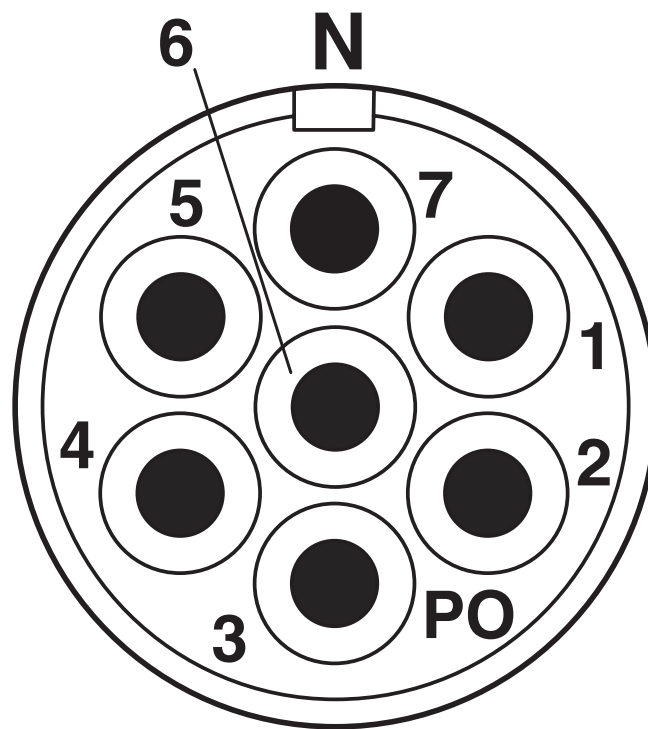
<https://www.phoenixcontact.com/us/products/1594472>

Schematic diagram



Connector pin assignment

Schematic diagram



Connector pin assignment

# RC-07P1N8AE000 - Device connector front mounting



1594472

<https://www.phoenixcontact.com/us/products/1594472>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003569 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

1594472

<https://www.phoenixcontact.com/us/products/1594472>

## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### 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.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 9a405ea3-ea1a-425b-b800-98ae2f5c1b3c |

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)