

# RC-07P1N8AWB00 - Device connector front mounting



1594493

<https://www.phoenixcontact.com/us/products/1594493>

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.



The figure shows the 12-pos.  
product version

M23, Device connector front mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 7, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Axial O-ring, coding: N, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %). This product is in the process of being discontinued. This product must no longer be considered for new projects. Please contact your sales representative for alternatives. Alternative products: 1629092

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1594493       |
| Packing unit                         | 40 pc         |
| Minimum order quantity               | 1 pc          |
| Product key                          | ABRAFL        |
| GTIN                                 | 4046356201728 |
| Weight per piece (including packing) | 31.04 g       |
| Weight per piece (excluding packing) | 28.4 g        |
| Country of origin                    | DE            |

1594493

<https://www.phoenixcontact.com/us/products/1594493>

## Technical data

### Notes

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

### Product properties

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

### Connector

#### Insulating body

|   |   |
|---|---|
| Note                                    | Order information: Order crimp contacts Ø 2 mm separately |
| Coding                                  | N   |
| Material (Insulating body)              | PA 6.6  |
| Flammability rating according to UL 94  | V0  |
| Connection method                       | Crimp connection  |
| Contact switching type                  | Pin   |
| Application                             | Signal  |
| Number of positions                     | 7   |
| Direction of rotation                   | Standard  |
| Connection profile                      | 7   |
| Number (Contact group 1)                | 7   |
| Contact diameter (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

|                                   |  |
|-----------------------------------|--|
| Type                              | Flange housing                             |
| Thread type                       | M23  |
| Design                            | straight                                   |
| Type of locking                   | Screw locking mechanism                    |
| Pg screw connection               | none                                       |
| Mounting type                     | Front mounting/square flange (4x Ø 3.2 mm) |
| Material (Housing)                | Metal                                      |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Axial O-ring                               |

### Environmental and real-life conditions

#### Ambient conditions

|  |               |
|--|---------------|
| Permissible humidity (storage/transport) | 50 % ... 65 % |
|--|---------------|

# RC-07P1N8AWB00 - Device connector front mounting

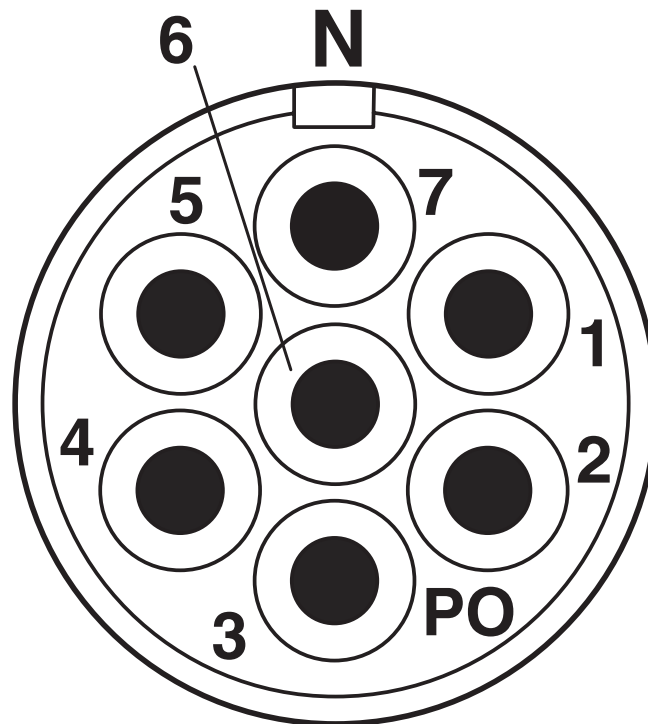


1594493

<https://www.phoenixcontact.com/us/products/1594493>

## Drawings

Schematic diagram



Connector pin assignment

1594493

<https://www.phoenixcontact.com/us/products/1594493>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440109 |
| ECLASS-15.0 | 27440109 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC003569 |
|-----------|----------|

### UNSPSC

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

1594493

<https://www.phoenixcontact.com/us/products/1594493>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - 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)