

# RC-12P2N8AWTYQ - Device connector front mounting



1621649

<https://www.phoenixcontact.com/us/products/1621649>

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M23, Device connector front mounting, application: Signal, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 12, Direction of rotation: Counter direction, contact connection type: Pin, Crimp connection, Axial O-ring, coding: N

The figure shows the 12-pos. product version with standard contact chamber numbering

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1621649                        |
| Packing unit                         | 40 pc                          |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Product key                          | ABRAFL                         |
| GTIN                                 | 4046356951661                  |
| Weight per piece (including packing) | 23.04 g                        |
| Weight per piece (excluding packing) | 23.04 g                        |
| 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) |
|--------------|-----------------------------------|

### Connector

#### Insulating body

|   |   |
|---|---|
| Note                                    | Order information: Order crimp contacts Ø 1 mm separately |
| Coding                                  | N   |
| Material (Insulating body)              | PA 6.6  |
| Connection method                       | Crimp connection  |
| Contact switching type                  | Pin   |
| Application                             | Signal  |
| Number of positions                     | 12  |
| Direction of rotation                   | Counter direction   |
| Connection profile                      | 12  |
| Number (Contact group 1)                | 12  |
| Contact diameter (Contact group 1)      | 1 mm  |
| Rated current Contact (Contact group 1) | 8 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)                | GD-Zn                                      |
| Degree of protection (plugged in) | IP67                                       |
| Seal for the device               | Axial O-ring                               |

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## Drawings

Schematic diagram



Connector pin assignment

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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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