# RC-00000004200 - Housing for circular connector

1592589

https://www.phoenixcontact.com/us/products/1592589

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Housing for circular connector, series: RC, straight, Screw locking mechanism, M23, Radial O-ring, shielded: yes, panel thickness min.: 2.7 mm, panel thickness max.: 3.5 mm, this item is expected to be lead-free from Q3 2026 in accordance with RoHS II without exception 6c (Pb < 0. 1%), a lead-free alternative is possible on request in advance. 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.

## Commercial data

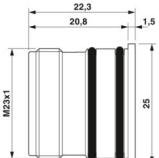| | |
|---|---|
| Item number | 1592589 |
| Packing unit | 40 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB31 |
| Product key | ABRAFP |
| GTIN | 4046356191678 |
| Weight per piece (including packing) | 28.16 g |
| Weight per piece (excluding packing) | 26.014 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Circular connector housing |
| Series | RC |
| Application | Signal |
| Shielded | yes |
| Thread type | M23 |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Panel thickness | 2.7 mm ... 3.5 mm |

### Material specifications

| | |
|---|---|
| Material Housing | GD-Zn |
| Material Housing surface | Ni |
| Material Rotating parts | CuZn |
| Gasket and O-ring material | FPM |

### Connector

| | |
|---|---|
| Type | straight |

### Environmental and real-life conditions

#### Ambient conditions

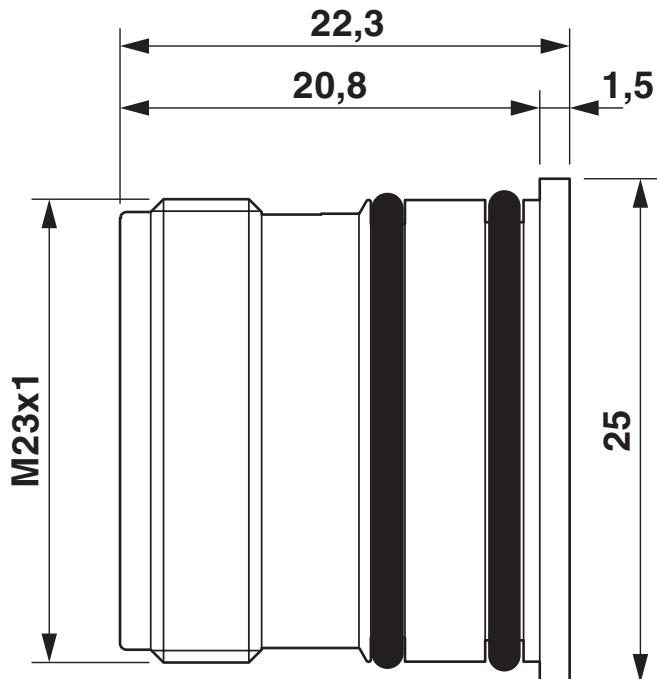| | |
|---|---|
| Degree of protection | IP67 |
| Ambient temperature (operation) | -20 °C ... 125 °C |
| Altitude | 2000 m |

### Mounting

| | |
|---|---|
| Mounting type | Rear mounting/square flange (4x M2,5) |

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# Drawings

### Dimensional drawing

22,3

20,8

1,5

M23x1

25

Dimensional drawing

### Dimensional drawing

20,5±0,1

Ø2,7/Ø3,2
M2,5

Ø23+0,1

2,7mm–3,5mm
3mm–10,5mm

1x15°
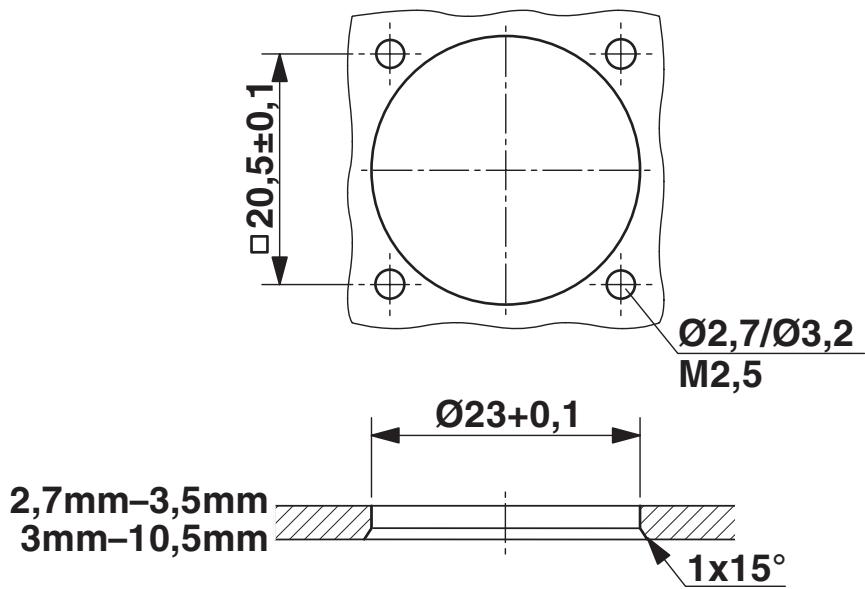
Installation dimensions

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440224 |
| ECLASS-15.0 | 27440224 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC003556 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 31261500 |

## 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 | 88d64028-e848-43bd-a8d3-bf39f819d798 |