

RC-06P1N8A4100 - Device connector rear mounting



1593428

<https://www.phoenixcontact.com/us/products/1593428>

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The figure shows the 12-pos.
product version

M23, Device connector rear mounting, application: Signal, series: RC, straight, Screw locking mechanism, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Pin, Crimp connection, Flat gasket, Panel thickness min.: 2.7 mm, Panel thickness max.: 3.5 mm, coding: N. 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 | 1593428 |
| Packing unit | 40 pc |
| Minimum order quantity | 1 pc |
| Product key | ABRAFR |
| GTIN | 4046356196154 |
| Weight per piece (including packing) | 29.45 g |
| Weight per piece (excluding packing) | 27.511 g |
| Country of origin | DE |

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Technical data

Notes

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

Product properties

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

Material specifications

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

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 | 6 |
| Direction of rotation | Standard |
| Connection profile | 6 |
| Number (Contact group 1) | 6 |
| 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 |
| | 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 | Rear mounting/square flange (4x M3) |
| Material (Housing) | Metal |
| Degree of protection (plugged in) | IP67 |
| Seal for the device | Flat gasket |

Environmental and real-life conditions

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Ambient conditions

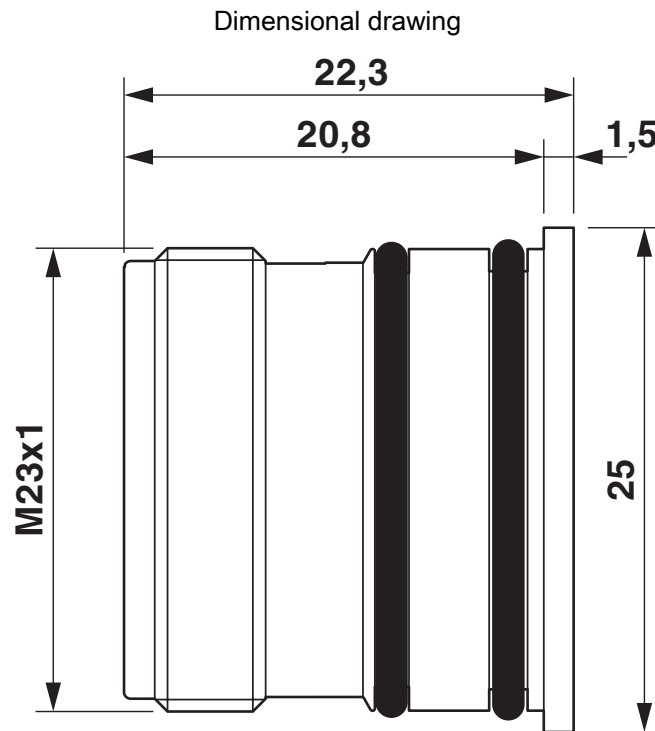
| | |
|--|---------------|
| Degree of protection | IP67 |
| Permissible humidity (storage/transport) | 50 % ... 65 % |

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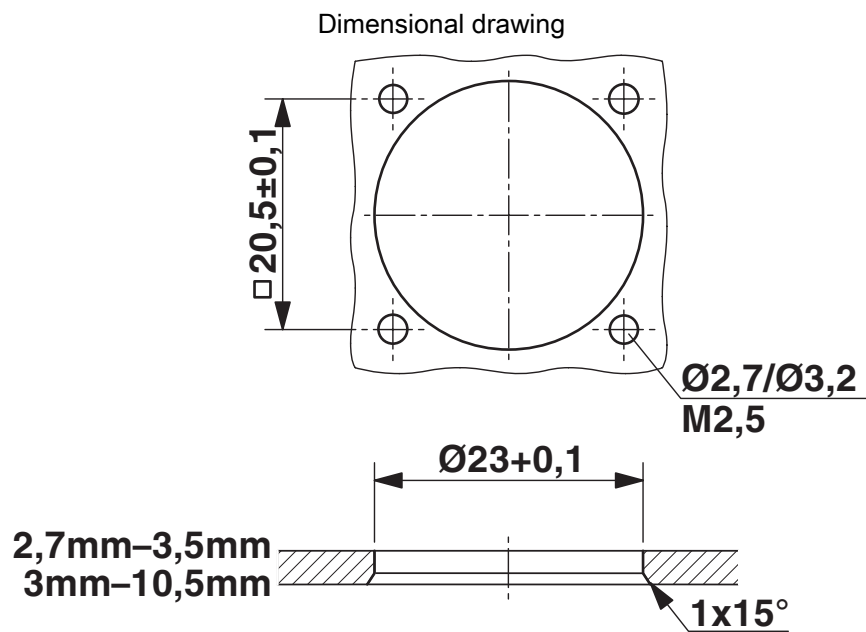
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Drawings



Dimensional drawing



Installation dimensions

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Schematic diagram



Connector pin assignment

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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|-------------|----------|
| UNSPSC 21.0 | 39121400 |
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Environmental product compliance

EU RoHS

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

China RoHS

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|--|---|
| 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 | 0b1e8b37-4d51-46c7-b52a-3e95e73a1933 |

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