

1603731

<https://www.phoenixcontact.com/gb/products/1603731>

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M23, Device connector rear mounting, series: RC, straight, shielded: yes, Screw locking mechanism, No. of pos.: 6+3, Direction of rotation: Standard, contact connection type: Socket, Solder cup, Axial O-ring, Central fastening M25 x 1.5, Panel thickness min.: 0.8 mm, Panel thickness max.: 6.5 mm, coding: N

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1603731 |
| Packing unit | 20 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | ABRAFR |
| GTIN | 4046356246835 |
| Weight per piece (including packing) | 57.05 g |
| Weight per piece (excluding packing) | 57.05 g |
| Country of origin | DE |

RC-63S1N12H000 - Device connector rear mounting



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Technical data

Product properties

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

Connector

Insulating body

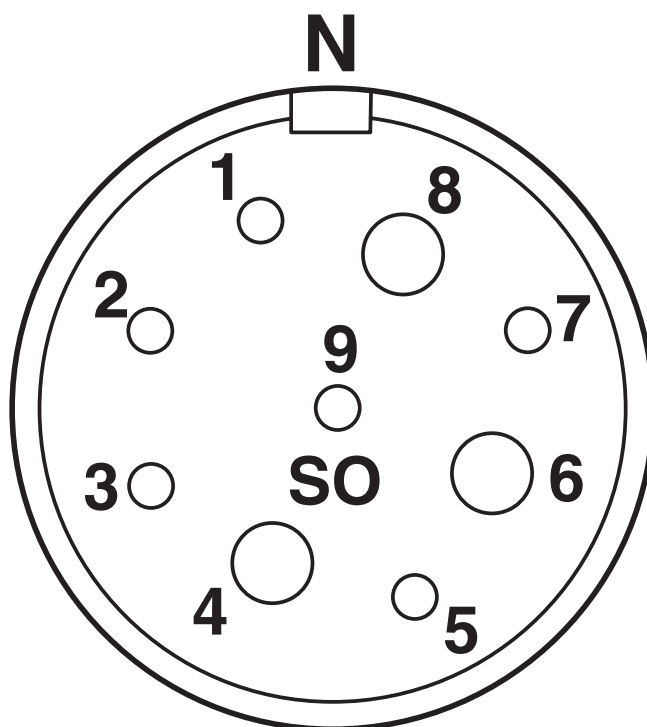
| | |
|---|----------------------|
| Coding | N |
| Insertion/withdrawal cycles | 50 |
| Connection method | Solder cup |
| Contact switching type | Socket |
| Application | Signal |
| Number of positions | 9 |
| Direction of rotation | Standard |
| Connection profile | 6+3 |
| Contact diameter Power contacts | 2 mm |
| Litz wire cross-section Power contacts min. | 0.08 mm ² |
| Litz wire cross-section Power contacts max. | 2.5 mm ² |
| Rated current Power contacts | 20 A |
| Rated voltage | 48 V AC |
| | 74 V DC |
| Rated surge voltage | 1.5 kV |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Contact diameter Signal contacts | 1 mm |
| Litz wire cross-section Signal contacts min. | 0.08 mm ² |
| Litz wire cross-section Signal contacts max. | 1 mm ² |
| Nominal current per signal contact | 8 A |

Housing

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

Drawings

Schematic diagram



Connector pin assignment

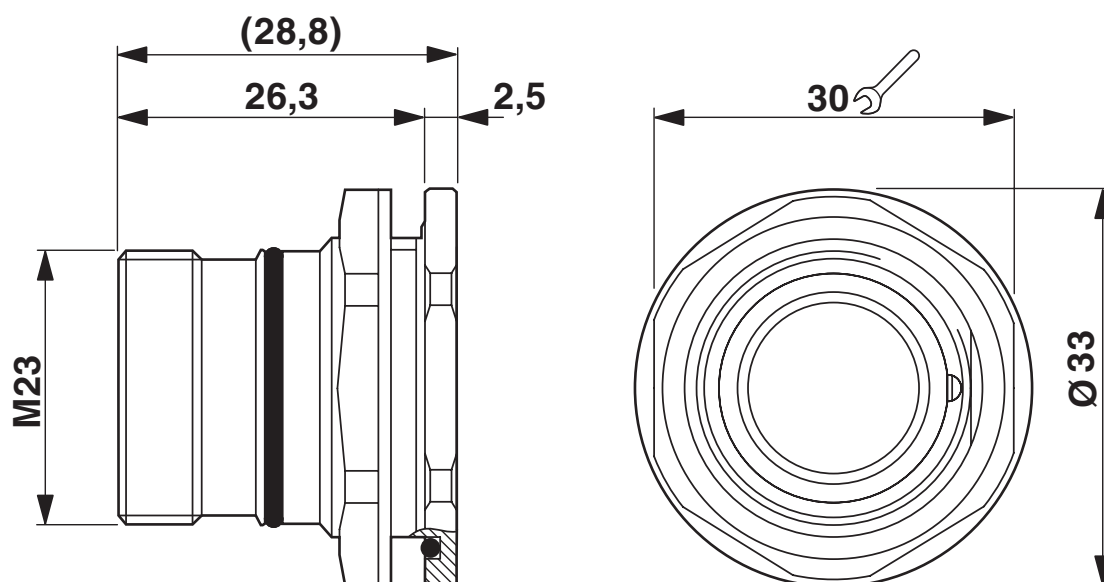
RC-63S1N12H000 - Device connector rear mounting



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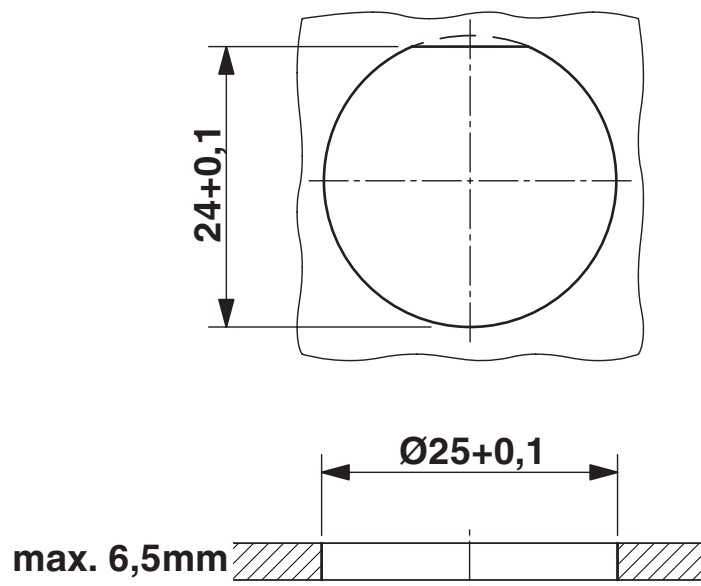
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Dimensional drawing



Dimensional drawing

Dimensional drawing



Installation dimensions

Environmental product compliance

| | |
|--|---|
| China RoHS | |
| Environment friendly use period (EFUP) | <div>EFUP-50</div> <div>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.</div> |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |