# RAFIX 16 F, illuminated pushbutton, flat bezel, round collar, bezel red



### fields of application

- Measurement-control-regulation
- Electrical engineering
- Mechanical and system engineering
- Vehicle construction

### special features

- Transparent panels, illuminable
- Lettering with inserts possible
- Flat construction
- Robust - also suitable for operation with gloves
- Degree of protection: IP 65 at the front
- Separate switching elements required
- Close mounting of actuators possible due to axial wiring from behind
- Switching elements with silver contacts (max. 250 V / 6 A) or gold contacts (max. 35 V / 0.25 A)
- Connection types: screw connection, plug-in connection, PCB plug-in socket

## description

RAFIX command devices are modular units consisting of several parts. In the RAFIX 16 F product family, these always consist of an actuating element and a switching element, or an indicator lamp and a lamp socket. Actuating elements (such as pushbuttons or emergency stop actuators) have the specified tactility, reset and function only when assembled with the appropriate switching elements. For illuminated actuators, please use switching elements with lamp socket.

For RAFIX 16F actuators, you can choose between two collar shapes: round and square. Both are characterized by an extremely flat design. The round collar shape has an anti-rotation lug that can be easily removed with a screwdriver if necessary. The square actuators can be placed collar to collar to create a closed keypad.

## technical data

**general**

| | |
|---|---|
| Bezel color | red |
| Property of bezel / mushroom | transparent |
| Collar color | black |
| Collar shape | round |
| Operating temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 85 °C |
| illuminated | Yes |

### direct links

- RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.


**RAFI GmbH & Co. KG**

Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
info.headquarters@rafi-group.com

| | |
|---|---|
| Packaging | Box |
| Packaging unit | 10 pcs. |
| net weight | 7.8 g |
| Operating life | 2,000,000 cycles |
| B10 | 2,600,000 cycles |
| Degree of protection, front side, according to DIN EN 60529 | IP65 |
| Environment resistance | IEC 60068-2-14<br>IEC 60068-2-30<br>IEC 60068-2-33<br>IEC 60068-2-78 |
| Protection class | II |
| MOQ order | 100 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |

**mounting diameters**

| | |
|---|---|
| Outside dimension, length | 28 mm |
| Outside dimension, width | 28 mm |
| Outside dimension, height | 26.2 mm |
| Mounting hole | 22.3 mm |
| Mounting depth | 50 mm |
| Installation height | 1.9 mm |
| Grid, min. | 30 x 30 mm |
| Collar dimension | ø 28 mm |

**mechanical data**

| | |
|---|---|
| Operating force, max. | 100 N |
| Fixing | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm |

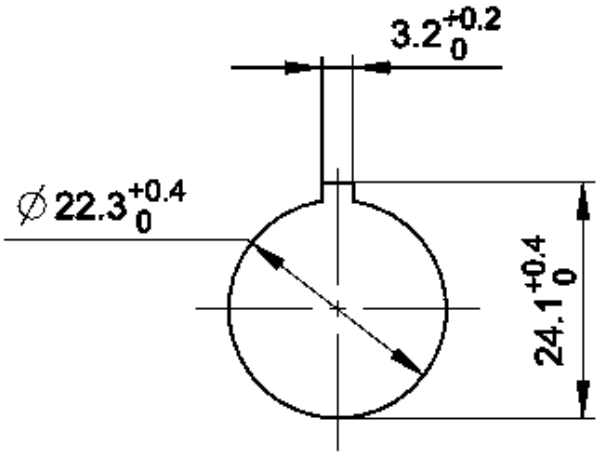
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## drawings

### Mounting hole drawing




acc. to IEC 60947-5-1

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