# RAFIX 16, illuminated selector switch, square collar, 2 x 40°, momentary contact function, illuminable



### fields of application

- Measurement-control-regulation
- Electrical engineering
- Mechanical and system engineering
- Industrial robots

### special features

- Selector switch in various rotation angle variants
- Transparent rotary handle marking, illuminable
- Robust - also suitable for operation with gloves
- Close mounting of actuators possible due to axial wiring from behind
- Degree of protection: IP 65 at the front
- Mounting diameter 16.2 mm
- Separate switching elements UNIVERSAL required
- Switching elements with silver contacts (max. 250 V / 6 A) or gold contacts (max. 35 V / 0.25 A)
- Connection types switching elements: screw connection, plug-in connection, PCB plug-in socket
- The switching elements are snapped on and can be removed again by turning.

## description

RAFIX control devices are modular units consisting of several parts. In the RAFIX 16 family, they always consist of an actuating element and a switching element, or of 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.

With RAFIX 16 actuators, you can choose between three collar shapes: round, square or square side-by-side, where the pushbuttons can be lined up seamlessly. The mounting diameter is 16.2 mm according to the standard. The anti-rotation lug can be easily removed with a screwdriver if necessary.

## technical data

**general**

| | |
|---|---|
| Collar shape | square |
| Operating temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C |

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| | |
|---|---|
| Storage temperature, max. | 85 °C |
| illuminated | Yes |
| Packaging | Box |
| Packaging unit | 2 pcs. |
| net weight | 8.4 g |
| Operating life | 30,000 cycles |
| B10 | 40,000 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 |
| MOQ order | 10 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |

**mounting diameters**

| | |
|---|---|
| Outside dimension, length | 24.95 mm |
| Outside dimension, width | 24.95 mm |
| Outside dimension, height | 36.3 mm |
| Mounting hole | 16.2 mm |
| Mounting depth | 44.7 mm |
| Installation height | 17.1 mm |
| Grid, min. | 25 x 25 mm |
| Collar dimension | 24,95 x 24,95 mm |

**mechanical data**

| | |
|---|---|
| Actuation function | momentary contact function |
| Operating torque, max. | 1.3 Nm |
| Rotating angle | 2 x 40° |
| Fixing | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm |

**direct links**

RAFI eCatalog

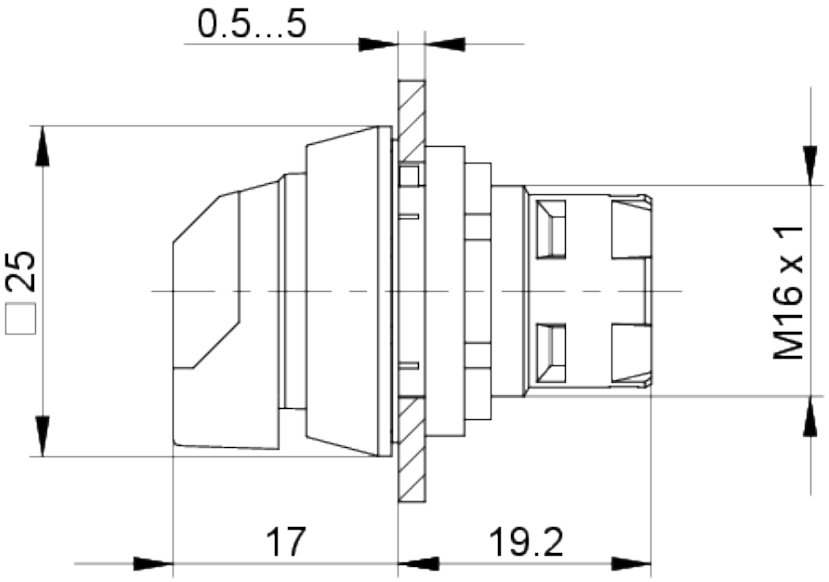
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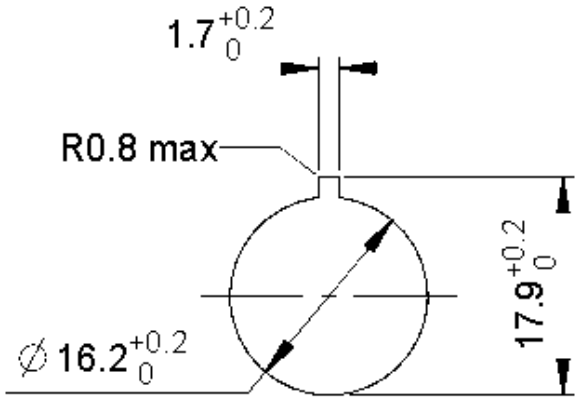
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## drawings

### Dimensioned drawing




### Mounting hole drawing




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