# RAFIX 22 QR, illuminated selector switch, round collar, short lever, frontring black, 1 x 40°, momentary contact function, illuminable



## fields of application

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

## special features

- Translucent rotary handle markings, illuminable
- Design adaptations through different front ring colors
- For selector switches with three switching positions (e.g. 2 x 90 degrees with neutral position), the left or right switching element is actuated depending on the direction of rotation.
- Firmly molded collar seal, cannot twist or be lost during installation.
- 1-person mounting: the element is clamped by the seal in the mounting hole and can then be screwed from behind.
- Robust - suitable also for operation with gloves
- Degree of protection: IP 65 at the front
- Additional protection against twisting due to threaded ring with claw
- Installation diameter 22.3 mm
- Separate switching elements required
- Close mounting of actuators possible (min. 30 x 50 mm), as wiring is axial from behind
- Switching elements with silver contacts (max. 400 V) or gold contacts (max. 35 V / 100 mA)
- Connection types switching elements: cage clamp, screw connection or plug-in connection

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## description

RAFIX control units are modular units consisting of several parts. In the RAFIX 22 QR family, they always consist of an actuating element, coupling, and switching element, or of a light attachment, coupling, and lamp socket. For assembly, the switching elements and lamp holders are first snapped into the coupling. Then this unit is snapped onto the actuating element or the signal lamp. To release, a bayonet lever must be actuated.

Actuating elements (such as pushbuttons or emergency stop actuators) have the specified tactility and function only when assembled with the appropriate switching elements. For illuminated actuators and illuminated attachments, please use a lamp socket / LED element as the middle element in the coupling.

For RAFIX 22 QR actuating elements, you can choose between two collar shapes: round and square. The mounting diameter is 22.3 mm according to the standard. The anti-rotation lug can be easily removed with a screwdriver if necessary.

**Additional information according to UL certificate:**

- These devices should be mounted in an overall enclosure with sufficient stability and with the specified clearances.

## technical data

### general

| | |
|---|---|
| Front ring color | black |
| Collar shape | round |
| Operating temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 80 °C |
| illuminated | Yes |
| Packaging | Box |
| Packaging unit | 10 pcs. |
| net weight | 21.7 g |
| Operating life | 500,000 cycles |
| B10 | 650,000 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 | 10 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |

### mounting diameters

**direct links**

- RAFI eCatalog

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| | |
|---|---|
| Outside dimension, length | 29.8 mm |
| Outside dimension, width | 29.8 mm |
| Outside dimension, height | 45.1 mm |
| Mounting hole | 22.3 mm |
| Mounting depth | 56.4 mm |
| Installation height | 22.2 mm |
| Grid, min. | 50 x 30 mm |
| Collar dimension | ø 29,8 mm |

## mechanical data

| | |
|---|---|
| Actuation function | momentary contact function |
| Operating torque, max. | 2 Nm |
| Rotating angle | 1 x 40° |
| Fixing | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm |

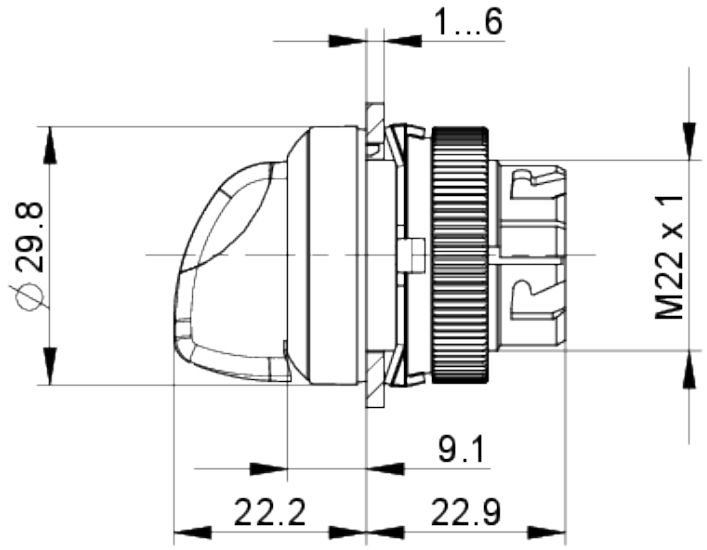
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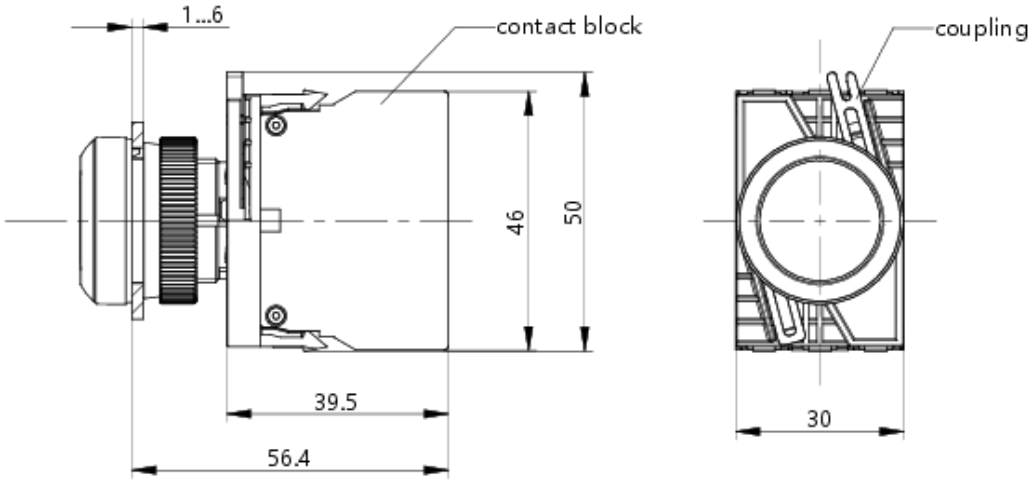
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## drawings

### Dimensioned drawing




### System drawing

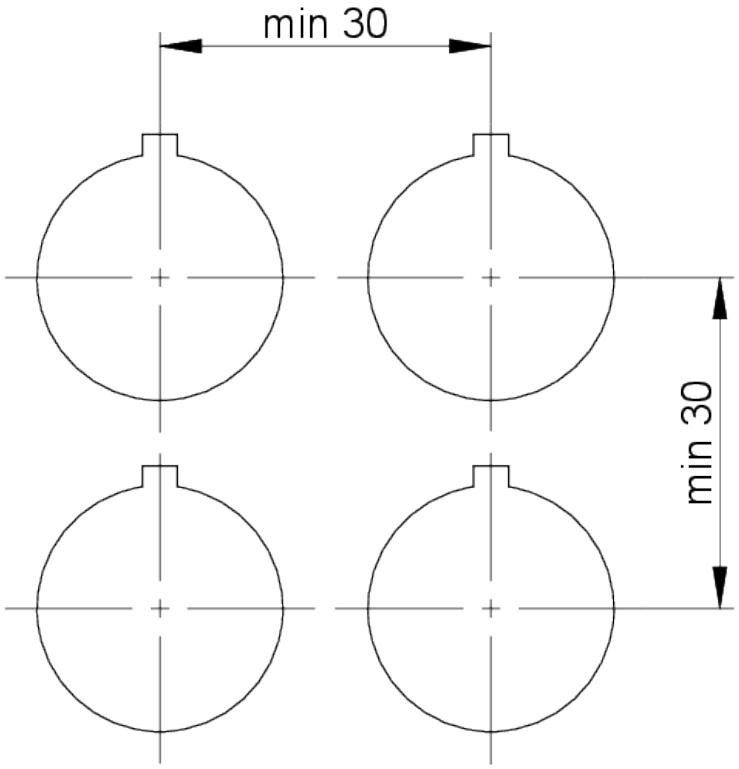



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## front panel drawing




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