

# RAFIX 22 QR, pushbutton, flat bezel, round collar, latching, frontring metallic silver, bezel blue



#### fields of application

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

#### special features

- > Opaque bezels, not illuminable
- > Design adaptations through different front rings in shape and color
- > 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 then can be screwed from behind.
- > Coupling with bayonet lever as a safeguard against unintentional release of the switching element
- > Robust also suitable for operation with
- > Degree of protection: IP 65 at the front
- > Mounting diameter 22.3 mm
- > Separate switching elements required
- > Close mounting of actuators (min. 30 x 50 mm) possible, as wiring is axial from
- > Switching elements with silver contacts (max. 400 V) or gold contacts (max. 35 V /
- > Connection types switching elements: cage clamp, screw connection or plug-in connection









#### 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

REACH compliant

ral		
zel color	blue	direct links
operty of bezel / mushroom	opaque	> RAFI eCatalog
ont ring color	metallic silver	
ollar shape	round	
perating temperature, min.	-25 °C	
perating temperature, max.	70 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	80 °C	
luminated	No	
ackaging	Box	
ackaging unit	10 pcs.	
et weight	13.7 g	
perating life	500,000 cycles	
310	650,000 cycles	
Degree of protection, front side, ccording to DIN EN 60529	IP65	
Environment resistance	IEC 60068-2-14	
	IEC 60068-2-30	
	IEC 60068-2-33	
	IEC 60068-2-78	
100 order	50 pcs.	
oHS compliant	Yes	

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Yes

RAFI GmbH & Co. KG



#### > mounting diameters

Outside dimension, length 29.8 mm Outside dimension, width 29.8 mm Outside dimension, height 32.3 mm Mounting hole 22.3 mm Mounting depth 56.4 mm Installation height 9.4 mm Grid, min. 50 x 30 mm Collar dimension ø 29,8 mm

#### > mechanical data

Actuation function latching
Operating force, max. 100 N
Operating travel, max. 4 mm

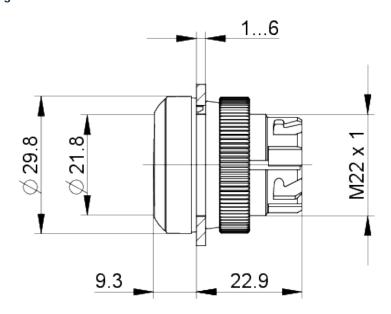
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

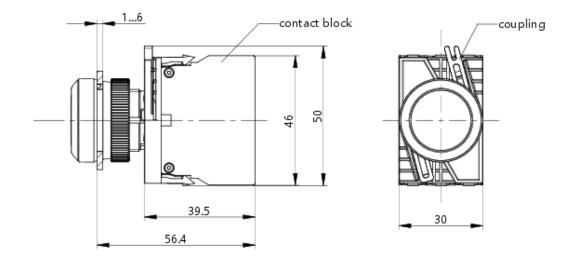


### drawings

#### **Dimensioned drawing**



#### System drawing





#### front panel drawing

