

# RAFIX 22 QR, pushbutton with protective cap, flat bezel, round collar, momentary contact function, frontring light gray, bezel blue

### DISCONTINUED



## fields of application

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

### special features

- > Opaque diaphragms, not illuminable
- A protective cap enables use under difficult environmental conditions
- Protection class at the front according to DIN EN 20653: P69K at 23° water temperature
- 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
- > Installation diameter 22.3 mm
- > Separate switching elements required
- Close mounting of actuators possible (main. 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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technical data sheet 1.30.240.105/0608



# 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		
	Bezel color	blue	direct links
	Property of bezel / mushroom	opaque	> RAFI eCatalog
	Front ring color	light gray	
	Collar shape	round	
	Operating temperature, min.	-25 °C	
	Operating temperature, max.	70 °C	
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	80 °C	
	illuminated	No	
	Packaging	Box	
	Packaging unit	10 pcs.	
	net weight	15.4 g	
	Operating life	1,000,000 cycles	
	B10	1,300,000 cycles	
	Degree of protection, front side, according to DIN EN 60529	IP65	
	Degree of protection, front side, according to ISO 20653	IP6K9K at 23°C water temperature	
	Environment resistance	IEC 60068-2-14	
		IEC 60068-2-30	
		IEC 60068-2-33	
		IEC 60068-2-78	
	MOQ order	50 pcs.	
	RoHS compliant	Yes	

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	REACH compliant	Yes	
>	mounting diameters		
	Outside dimension, length	29.8 mm	
	Outside dimension, width	29.8 mm	
	Outside dimension, height	34.4 mm	
	Mounting hole	22.3 mm	
	Mounting depth	56.4 mm	
	Installation height	11.7 mm	
	Grid, min.	50 x 30 mm	
	Collar dimension	29,8 x 29,8 mm	
>	mechanical data		
	Actuation function	momentary contact function	
	Operating force, max.	100 N	
	Operating travel, max.	4 mm	
	Fixing	Threaded ring	
	Threaded ring torque, max.	1.2 Nm	

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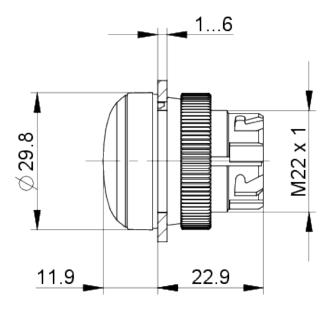
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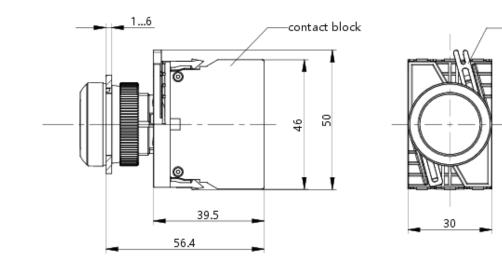
-coupling

# drawings

### **Dimensioned drawing**



### System drawing



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