

# RAFIX 22 QR, illuminated pushbutton, protruding bezel, round collar, momentary contact function, frontring metallic silver, 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
- Firmly moulded collar seal, cannot twist or be lost during installation.
- I-person mounting: the element is clamped in the mounting hole by the seal and can then bescrewed in from behind.
- Robust also suitable for operation with gloves on
- > Degree of protection: IP 65 at the front
- > Mounting 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

# 🏽 🕻 🕻 🖓 US 🖄

#### RAFI GmbH & Co. KG





# 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	red	direct links
	Property of bezel / mushroom	transparent	➤ RAFI eCatalog
	Front ring color	metallic silver	
	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	13.7 g	
	Operating life	1,000,000 cycles	
	B10	1,300,000 cycles	
	Degree of protection, front side, according to DIN EN 60529	IP65	
	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	
	REACH compliant	Yes	

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

technical data sheet





# > mounting diameters

	mounting diamotors		
	Outside dimension, length	29.8 mm	
	Outside dimension, width	29.8 mm	
	Outside dimension, height	35.35 mm	
	Mounting hole	22.3 mm	
	Mounting depth	56.4 mm	
	Installation height	12.45 mm	
	Grid, min.	50 x 30 mm	
	Collar dimension	ø 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	

#### RAFI GmbH & Co. KG

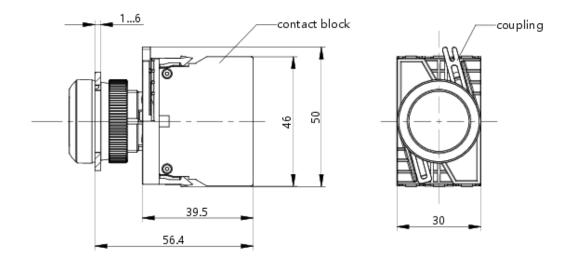
## technical data sheet



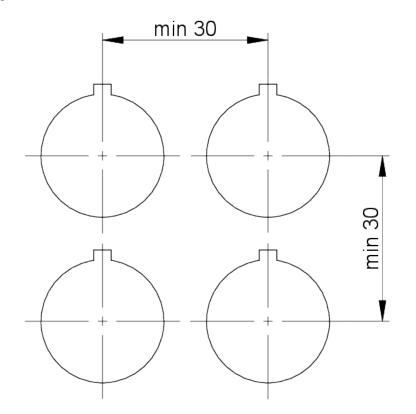


# drawings

# System drawing



### front panel drawing



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. **date**: Jul 22, 2024 **page**: 4/4

#### RAFI GmbH & Co. KG