

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



#### 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
- > 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.

#### technical data

Outside dimension, length

Outside dimension, width Outside dimension, height

tecinical data		
> general		
Front ring color	black	direct links
Collar shape	round	> RAFI eCatalog
Operating temperature, min.	-25 °C	
Storage temperature, min.	-40 °C	
Operating temperature, max.	70 °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	
Environment resistance	IEC 60068-2-30	
	IEC 60068-2-33	
	IEC 60068-2-78	
Protection class	II	
MOQ order	10 pcs.	
RoHS compliant	Yes	
REACH compliant	Yes	
> mounting diameters		
Mounting hole	22.3 mm	
Mounting depth	56.4 mm	
Installation height	22.2 mm	
Grid, min.	50 x 30 mm	

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29.8 mm 29.8 mm

45.1 mm

RAFI GmbH & Co. KG

Ravensburger Str. 128-134 88276 Berg / Ravensburg Germany www.rafi-group.com, info.headquarters@rafi-group.com



Collar dimension ø 29,8 mm

> mechanical data

Actuation function momentary contact function

Operating force, min. 5 NOperating torque, max. 2 NmRotating angle  $1 \times 40^{\circ}$ 

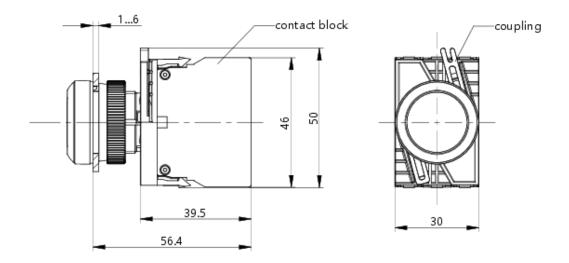
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm



## drawings

#### System drawing



#### front panel drawing

