

RAFIX 22 QR, keylock switch, round collar, frontring metallic silver, 2 x 40°, momentary contact function, key removal position 0



fields of application

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

special features

- Key-operated switches with various rotation angles and key removal positions.
- For key switches with three switch positions (e.g. 2 x 90 degrees with neutral position), the left or right switch element is actuated depending on the direction of rotation.
- Design adaptations through different front ring colors
- Firmly injection-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



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. Then this unit is snapped onto the key switch. To release, a bayonet lever must be actuated.

RAFIX 22QR key switches have the specified tactility and function only when assembled with the appropriate switching 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.

The locking systems we use were created according to the DIN EN 1303 standard by well-known lock manufacturers. They are open, mechanical systems which, depending on the environmental conditions, require occasional maintenance by the machine or system operator.

technical data

> general

Scope of delivery	2 keys	direct links
Front ring color	metallic silver	
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	No	
Packaging	Box	
Packaging unit	2 pcs.	
net weight	42.5 g	
Operating life	300,000 cycles	
B10	390,000 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	
Protection class	II	
MOQ order	2 pcs.	
RoHS compliant	Yes	
REACH compliant	Yes	

> mounting diameters

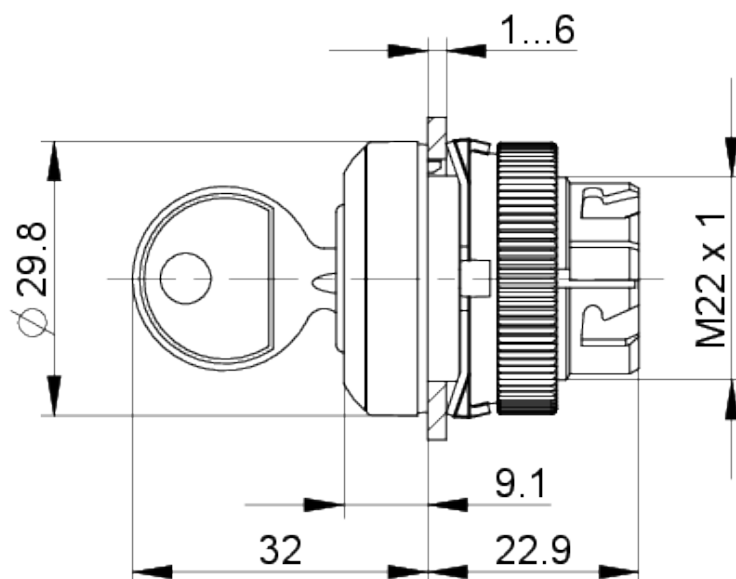
Mounting hole	22.3 mm
Mounting depth	56.4 mm
Installation height	30.6 mm
Grid, min.	50 x 30 mm
Outside dimension, length	29.8 mm

Outside dimension, width	29.8 mm
Outside dimension, height	53.5 mm
Collar dimension	ø 29,8 mm

> mechanical data

Actuation function	momentary contact function
Operating force, min.	5 N
Operating torque, max.	2 Nm
Locking position	455
Key lock	Ronis
Key removal position	0
Rotating angle	2 x 40°
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm

Dimensioned drawing



The technical drawing illustrates the coupling assembly from two perspectives:

- Side View (Left):** Shows the profile of the coupling. Key dimensions include:
 - A small dimension at the top left: 1...6.
 - Total width: 56.4.
 - Distance from the centerline to the inner edge of the contact block: 39.5.
 - Height of the main body: 46.
 - Total height: 50.
 - Labels: "contact block" points to the upper internal component, and "coupling" points to the lower internal component.
- Front View (Right):** Shows the circular face of the coupling. The diameter is indicated as 30.

front panel drawing

