

# RAFIX 22 QR, keylock switch, round collar, frontring black, 1 x 90°, shape L, latching, key removal position 0+1



#### 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
- > 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
- > 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

net weight

Scope of delivery 2 keys
Front ring color black
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 2 pcs.

Operating life 50,000 cycles B10 65,000 cycles

Degree of protection, front side,

according to DIN EN 60529

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

42.5 g

IP65

Protection class II

MOQ order 10 pcs.

RoHS compliant Yes

REACH compliant Yes

# > mounting diameters

Outside dimension, length 29.8 mm
Outside dimension, width 29.8 mm
Outside dimension, height 53.5 mm
Mounting hole 22.3 mm
Mounting depth 56.4 mm

direct links

> RAFI eCatalog



Installation height 30.6 mm Grid, min. 50 x 30 mm Collar dimension ø 29,8 mm

> mechanical data

Actuation function latching Operating torque, max. 2 Nm Locking position 455 Key lock Ronis Key removal position 0+1

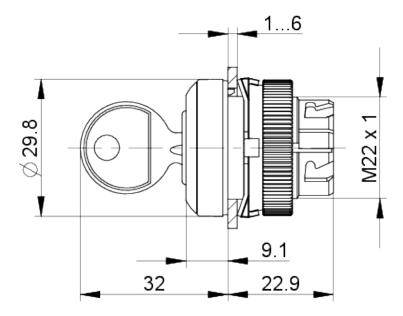
Rotating angle 1 x 90°, shape L Fixing Threaded ring

1.2 Nm Threaded ring torque, max.

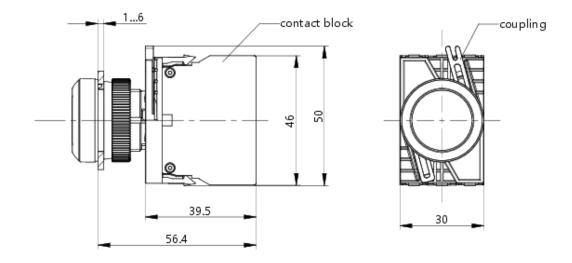


# drawings

#### **Dimensioned drawing**



### System drawing





#### front panel drawing

