

# RAFIX 22 FS<sup>+</sup>, compact keylock switch, round collar, frontring black, 1 x 90°, 1 x 40°, momentary contact function / latching, key removal position 0



## fields of application

- > Measurement-control-regulation
- > Electrical engineering
- Mechanical and system engineering
- > Vehicle construction
- > Handheld terminals
- > Industrial robots

#### special features

- > Key switch with low installation height
- > Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- Connection types: printed circuit board connection (PCB) or plug-in connection (OC)
- > PCB switching elements minimize mounting errors
- Switching elements with silver contacts (max. 250 V/4 A) or gold contacts (max. 35 V/100 mA)
- > Design adaptation through different front ring variations
- > Degree of protection: IP 65 at the front
- > Two collar shapes: round and square



## description

RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.

The locking systems we use have been created by reputable lock manufacturers in accordance with the DIN EN 1303 standard. They are open, mechanical systems that require occasional maintenance by the operator depending on the ambient conditions.

Further locking positions or functions are available on request.

## technical data

> general

Disassembly possible no Scope of delivery 2 keys

Front ring color black
Collar shape round
Operating temperature, min. -25 °C

direct links

> RAFI eCatalog

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.

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Operating temperature, max. 70 °C
Storage temperature, min. -40 °C
Storage temperature, max. 80 °C
illuminated No
Packaging Box
Packaging unit 2 pcs.
net weight 39.6 g

Operating life 50,000 cycles B10 65,000 cycles

Degree of protection, front side, according to DIN EN 60529

IP65

UL Enclosure Type Rating front

type 1

Environment resistance

type 4X indoor IEC 60068-2-14

IEC 60068-2-30

IEC 60068-2-33

IEC 60068-2-78

Salt-spray resistance according to

standard

side

IEC 60068-2-11

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 28.6 mm Mounting hole 22.3 mm Mounting depth 9.2 mm 20 mm Installation height Grid, min. 30 x 30 mm Collar dimension ø 29,8 mm

## > mechanical data

Actuation function momentary contact function / latching

Operating torque, max. 1.3 Nm
Locking position 001
Key removal position 0

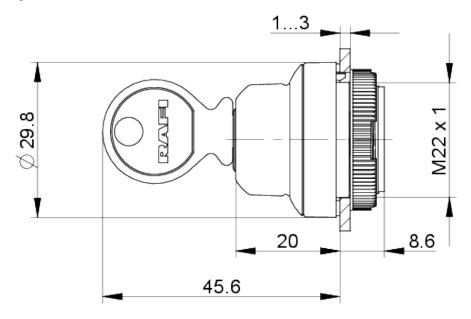
Rotating angle  $1 \times 90^{\circ}$ ,  $1 \times 40^{\circ}$ Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

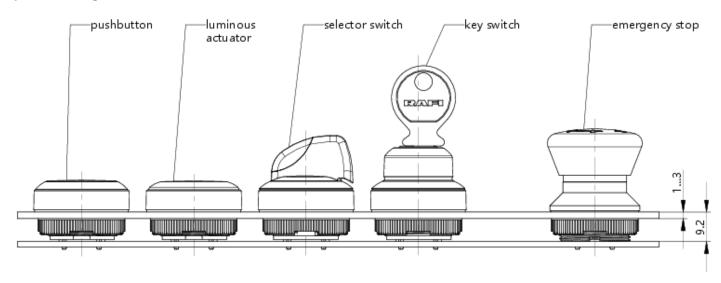


## drawings

## **Dimensioned drawing**

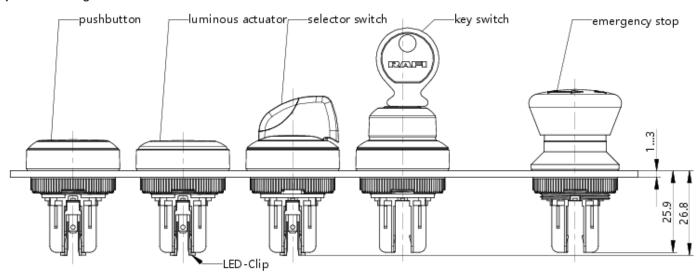


## System drawing





## System drawing



## Mounting hole drawing



acc. to IEC 60947-5-1



## front panel drawing

