

# RAFIX 22 FS+, keylock switch E7, 1 x 90°, shape V, 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

- > Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- > Connection types: printed circuit board connection (PCB) or plug-in connection (QC)
- > 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









## 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 were developed by renowned lock manufacturers in accordance with the DIN EN 1303 standard. They are open, mechanical systems which, depending on the environmental conditions, require occasional maintenance (e.g. greasing) by the machine or system operator.

We have developed and fully qualified our key switches with RAFI reference keys. Under certain circumstances, plant operators may be using various low-cost key copies or third-party keys whose function and tactility may differ.

### technical data

> general	l
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Disassembly possible

Scope of delivery Without key Color dark gray Collar color dark gray Collar shape round -25 °C Operating temperature, min. 70 °C Operating temperature, max. -40 °C Storage temperature, min. 80 °C Storage temperature, max.

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.

No

RAFI GmbH & Co. KG

illuminated



Packaging Box
Packaging unit 2 pcs.
net weight 50 g

Operating life 30,000 cycles B10 43,000 cycles

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

IP65

UL Enclosure Type Rating front type 1

side type 4X indoor

Shock resistance according to 15 g at 11 ms amplitude semi-sinusoidal

standard IEC 60068-2-27

oscillation restistance according

5 g at 10...500 Hz

to standard IEC 60068-2-6

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 47.6 mm
Mounting hole 22.3 mm
Mounting depth 9.2 mm
Installation height 39.8 mm
Grid, min. 30 mm

#### > mechanical data

Actuation function latching
Operating torque, max. 1.3 Nm
Resistance to force on the side 100 N
Locking position E7
Number of locking positions 1
Key removal position 0

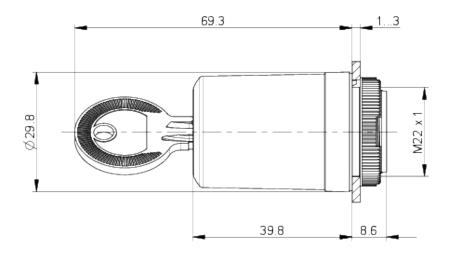
Rotating angle  $1 \times 90^{\circ}$ , shape V Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

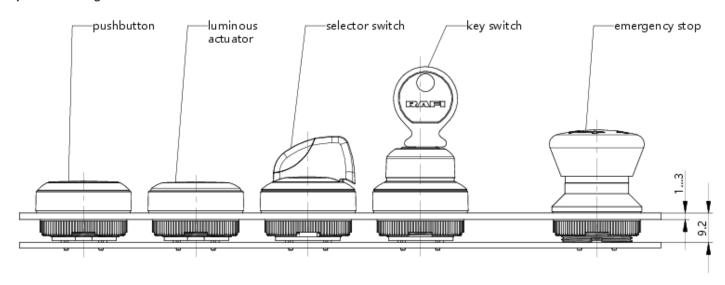


### drawings

### **Dimensioned drawing**

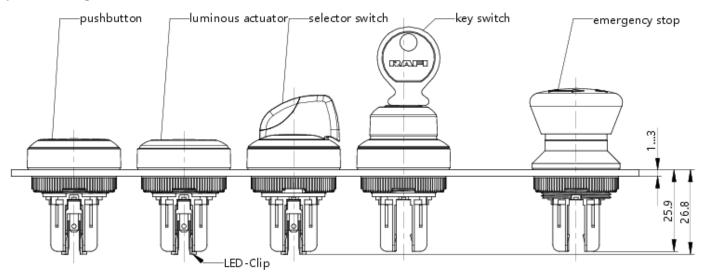


### System drawing

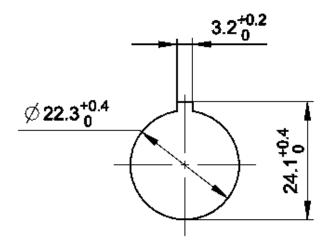




#### System drawing



### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing

