

# RAFIX 22 FS<sup>+</sup>, illuminated selector switch, square collar, frontring red, 2 x 40°, momentary contact function, illuminable



#### fields of application

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

#### special features

- > Illumination of the rotary handle marking with SMT LED
- > Colored illumination with colored LEDs possible
- > Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- > Connection types: printed circuit board connection (PCB) or plug-in connection
- > 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 translucent handle marking can be illuminated if combined with a corresponding switching element.

For colored illumination of the handle marking, please use colored LEDs.

### technical data

> general

Disassembly possible no Front ring color red

Collar shape square Operating temperature, min. -25 °C

direct links

> RAFI eCatalog

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Operating temperature, max. 70 °C
Storage temperature, min. -40 °C
Storage temperature, max. 80 °C
illuminated Yes
Packaging Box

Operating life 500,000 cycles B10 650,000 cycles

IP65

IEC 60068-2-78

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

UL Enclosure Type Rating front type 1

side type 4X indoor
Environment resistance IEC 60068-2-14
IEC 60068-2-30
IEC 60068-2-33

Salt-spray resistance according to IEC 60068-2-11

standard

RoHS compliant Yes
REACH compliant Yes

### > mounting diameters

Outside dimension, length 29.8 mm Outside dimension, width 29.8 mm Outside dimension, height 32.4 mm Mounting hole 22.3 mm Mounting depth 9.2 mm Installation height 22.24 mm Grid, min. 30 x 30 mm Collar dimension 29,8 x 29,8 mm

### > mechanical data

Actuation function momentary contact function

Operating torque, max. 1.5 Nm Rotating angle  $2 \times 40^{\circ}$ 

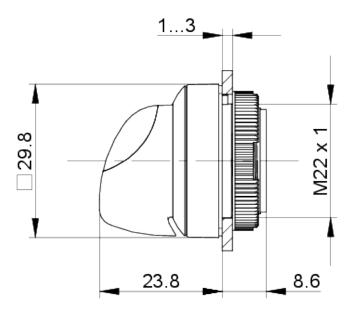
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

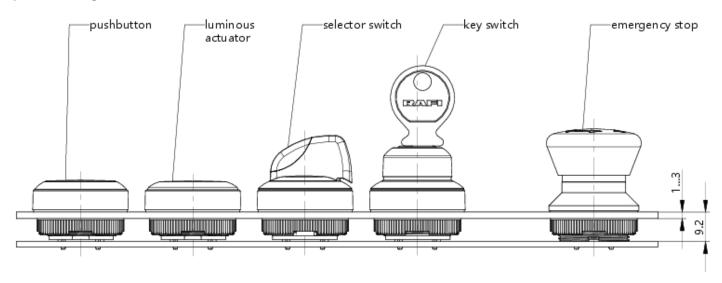


### drawings

### **Dimensioned drawing**



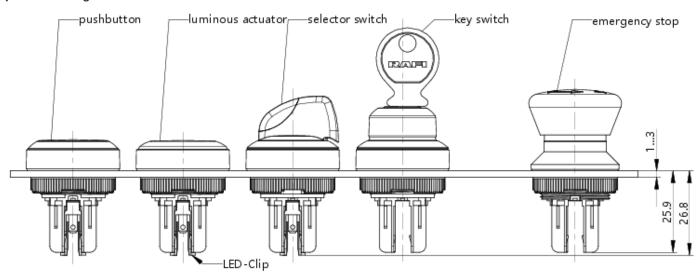
### System drawing



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#### System drawing



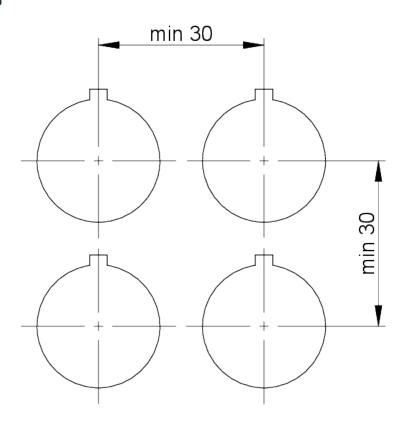
### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing



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