

# RAFIX 22 FS<sup>+</sup>, pushbutton, protruding front ring, round collar, momentary contact function, frontring black, bezel black



### fields of application

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

### special features

- > Pushbuttons with opaque bezels, not illuminable
- > Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- Special tactile feedback
- > Ideal for operation with gloves
- > Connection types: printed circuit board connection (PCB) or plug-in connection
- > PCB switching elements minimize assembly errors
- > Switching elements with silver contacts (max. 250 V/4 A) or gold contacts (max. 35 V/100 mA)
- > Due to the tactile switch adapter MICON 5 tactile switches can be used as switching element
- > Design adaptation by different front ring
- > 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.

Pushbuttons with opaque and therefore non-illuminable bezels.

### technical data

> general

Disassembly possible nο Bezel color black

Property of bezel / mushroom opaque Front ring color black

direct links

> RAFI eCatalog



Collar shape round Operating temperature, min. -25 °C 70 °C Operating temperature, max. -40 °C Storage temperature, min. Storage temperature, max. 80 °C illuminated No Packaging Box Packaging unit 10 pcs. net weight 7.2 g

Operating life 1,000,000 cycles B10 1,300,000 cycles

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 IEC 60068-2-78

IEC 60068-2-11

**IP65** 

Salt-spray resistance according to

standard

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 21.5 mm Mounting hole 22.3 mm Mounting depth 9.2 mm Installation height 12.85 mm 30 x 30 mm Grid, min. Collar dimension ø 29,8 mm

#### > mechanical data

Actuation function momentary contact function

Operating force, max. 100 N Operating travel, max. 4 mm

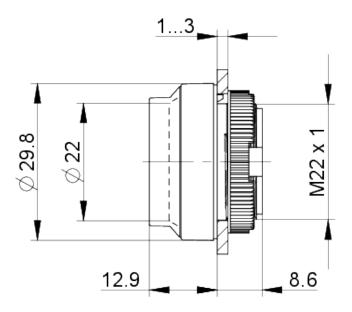
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm

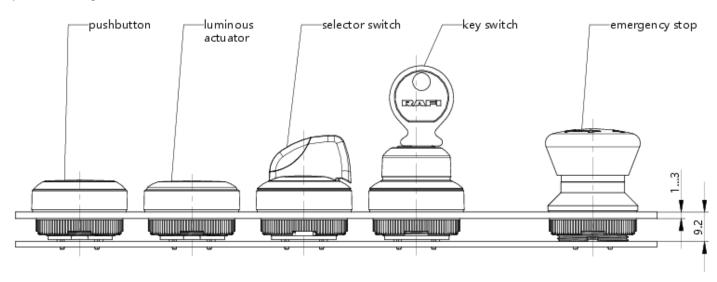


### drawings

### **Dimensioned drawing**

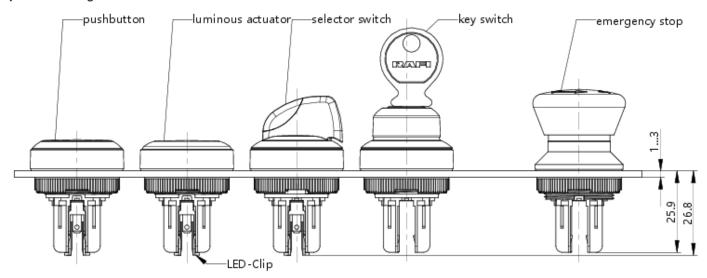


### System drawing

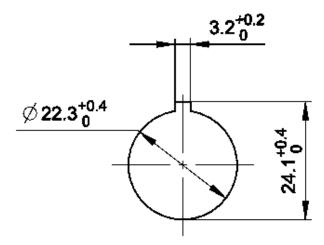




### System drawing



### Mounting hole drawing



acc. to IEC 60947-5-1



### front panel drawing

