

# RAFIX 22 FS<sup>+</sup>, illuminated pushbutton, flat bezel, round collar, latching, frontring black, bezel green



#### fields of application

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

#### special features

- > Illuminated pushbutton, panel illumination with SMT LED
- > 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)
- > The tactile switch adapter allows MICON 5 tactile switches to be used as switching elements
- > Design adaptation by 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.

Pushbutton with translucent bezel. In combination with a corresponding switching element, the bezel can be fully illuminated.

# technical data

> general

Disassembly possible nο

Bezel color green

Property of bezel / mushroom translucent

Front ring color black direct links

> RAFI eCatalog



Collar shape round Operating temperature, min. -25 °C Operating temperature, max. 70 °C Storage temperature, min. -40 °C Storage temperature, max. 80 °C illuminated Yes Packaging Box Packaging unit 10 pcs. net weight 6.4 g

Operating life 500,000 cycles B10 650,000 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 18.5 mm Mounting hole 22.3 mm Mounting depth 9.2 mm Installation height 9.85 mm Grid, min. 30 x 30 mm Collar dimension ø 29,8 mm

#### > mechanical data

Actuation function latching
Operating force, max. 100 N
Operating travel, max. 4 mm

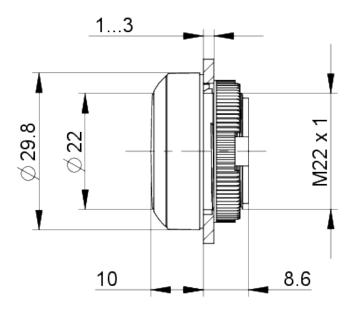
Fixing Threaded ring

Threaded ring torque, max. 1.2 Nm



# drawings

### **Dimensioned drawing**

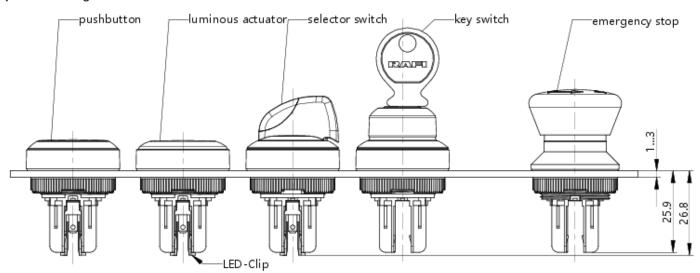


### System drawing





#### System drawing



### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing

