

# RAFIX 22 FS<sup>+</sup>, illuminated selector switch, round collar, frontring light gray, 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

Front ring color light gray 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. date: May 5, 2024 page: 1/5

RAFI GmbH & Co. KG

Ravensburger Str. 128-134 88276 Berg / Ravensburg Germany www.rafi-group.com info.headquarters@rafi-group.com



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 10 g

Operating life 500,000 cycles B10 650,000 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

150 00000 2 1 1

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 32.4 mm Mounting hole 22.3 mm Mounting depth 9.2 mm 22.24 mm Installation height Grid, min. 30 x 30 mm Collar dimension ø 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

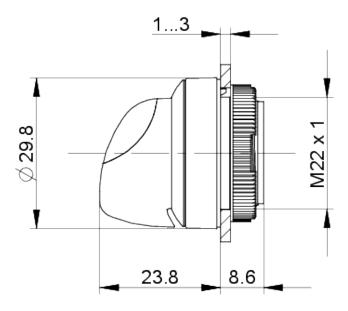
Threaded ring torque, max. 1.2 Nm

purposes may infringe the rights of the respective entity holding those rights. date: May 5, 2024 page: 2/5



## drawings

### **Dimensioned drawing**

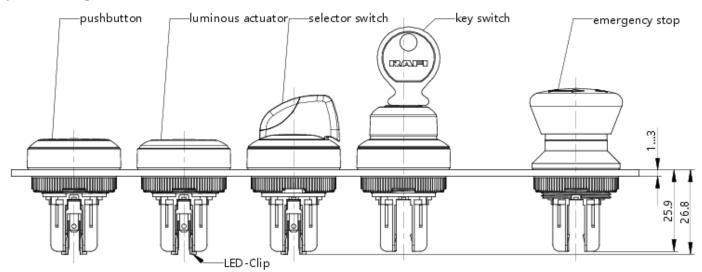


### System drawing

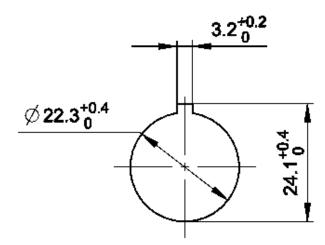




#### System drawing



### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing

