

# RAFIX 22 FS<sup>+</sup>, compact keylock switch, square collar, frontring yellow, 1 x 40°, momentary contact function, key removal position 0



#### fields of application

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

#### special features

- > Key switch with low installation height
- > 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
- > 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 locking systems we use have been created by reputable lock manufacturers in accordance with the DIN EN 1303 standard. They are open, mechanical systems that require occasional maintenance by the operator depending on the ambient conditions.

Further locking positions or functions are available on request.

## technical data

> general

Disassembly possible no
Scope of delivery 2 keys

Front ring color yellow
Collar shape square
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: Nov 26, 2024 page: 1/5

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Operating temperature, max. 70 °C
Storage temperature, min. -40 °C
Storage temperature, max. 80 °C
illuminated No
Packaging Box

Operating life 300,000 cycles B10 390,000 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

RoHS compliant Yes
REACH compliant Yes

## > mounting diameters

Outside dimension, length 29.8 mm

Outside dimension, width 29.8 mm

Mounting hole 22.3 mm

Mounting depth 9.2 mm

Installation height 20 mm

Grid, min. 30 x 30 mm

Collar dimension 29,8 x 29,8 mm

#### > mechanical data

Threaded ring torque, max.

Actuation function momentary contact function

Operating torque, max. 1.3 Nm Locking position 001 Key removal position 0 Rotating angle  $1 \times 40^{\circ}$ 

17.10

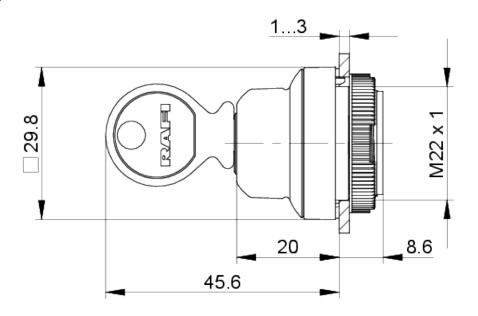
Fixing Threaded ring

1.2 Nm

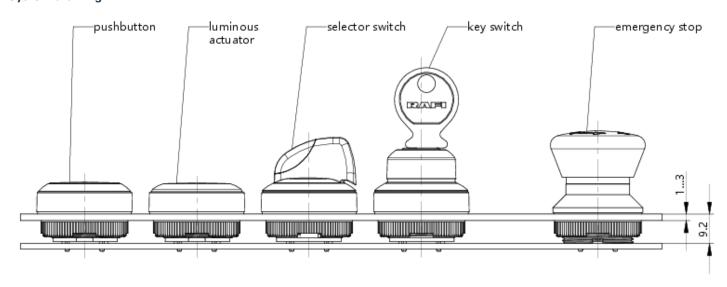


## drawings

## **Dimensioned drawing**

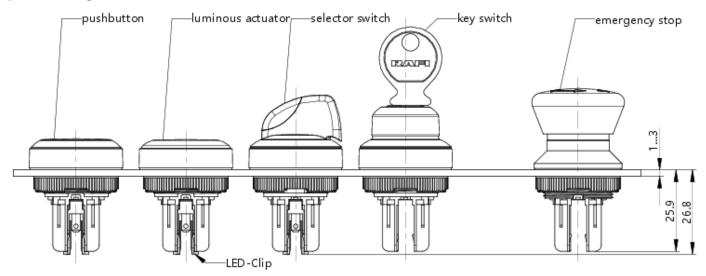


## System drawing

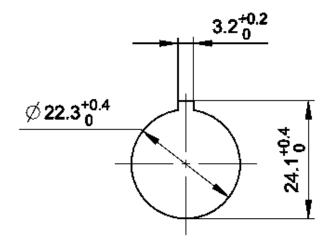




#### System drawing



## Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing

