

# **RAFIX 22 FSR, illuminated pushbutton, round collar, momentary contact function, frontring black, bezel yellow**



## **fields of application**

- Measurement-control-regulation
- Mechanical and system engineering
- Agricultural and forestry machinery
- Construction machinery

## **special features**

Illuminated pushbutton with protective cap

The protective cap reinforces the protection against liquids, dirt and chips.

Low mounting depth 9.2 mm (PCB) or 27 mm (QC)

Ideal for operation with gloves

Connection types: printed circuit board connection (PCB) or plug-in connection (QC)

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 switches can be used as switching element

Degree of protection: IP 65 at the front

Front panel illumination with SMT-LED

Labeling and front rings in other colors on request



## **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.

Illuminated pushbutton, with protective cap for use in more difficult environmental conditions.

## technical data

### > general

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Disassembly possible               | no                                    |
| Bezel color                        | yellow                                |
| Property of bezel / mushroom       | translucent                           |
| Front ring color                   | black                                 |
| Collar shape                       | round                                 |
| Operating temperature, min.        | -40 °C                                |
| Storage temperature, min.          | -40 °C                                |
| Operating temperature, max.        | 85 °C                                 |
| Storage temperature, max.          | 85 °C                                 |
| illuminated                        | Yes                                   |
| Packaging                          | Box                                   |
| Packaging unit                     | 10 pcs.                               |
| net weight                         | 10.9 g                                |
| Operating life                     | 1,000,000 cycles                      |
| B10                                | 1,300,000 cycles                      |
| Degree of protection, front side,  | IP65                                  |
| according to DIN EN 60529          | IP69 with water spray distance >25 cm |
| UL Enclosure Type Rating front     | type 1                                |
| side                               | type 4X                               |
| Environment resistance             | IEC 60068-2-14                        |
|                                    | IEC 60068-2-30                        |
|                                    | IEC 60068-2-33                        |
|                                    | IEC 60068-2-78                        |
| Salt-spray resistance according to | IEC 60068-2-11                        |
| standard                           |                                       |
| shock resistance                   | 06                                    |
| MOQ order                          | 10 pcs.                               |
| RoHS compliant                     | Yes                                   |
| REACH compliant                    | Yes                                   |

### > mounting diameters

|                           |            |
|---------------------------|------------|
| Mounting hole             | 22.3 mm    |
| Mounting depth            | 9.2 mm     |
| Installation height       | 12.2 mm    |
| Grid, min.                | 35 x 35 mm |
| Outside dimension, length | 31.3 mm    |
| Outside dimension, width  | 31.3 mm    |
| Outside dimension, height | 21 mm      |
| Collar dimension          | ø 31,3 mm  |

### > mechanical data

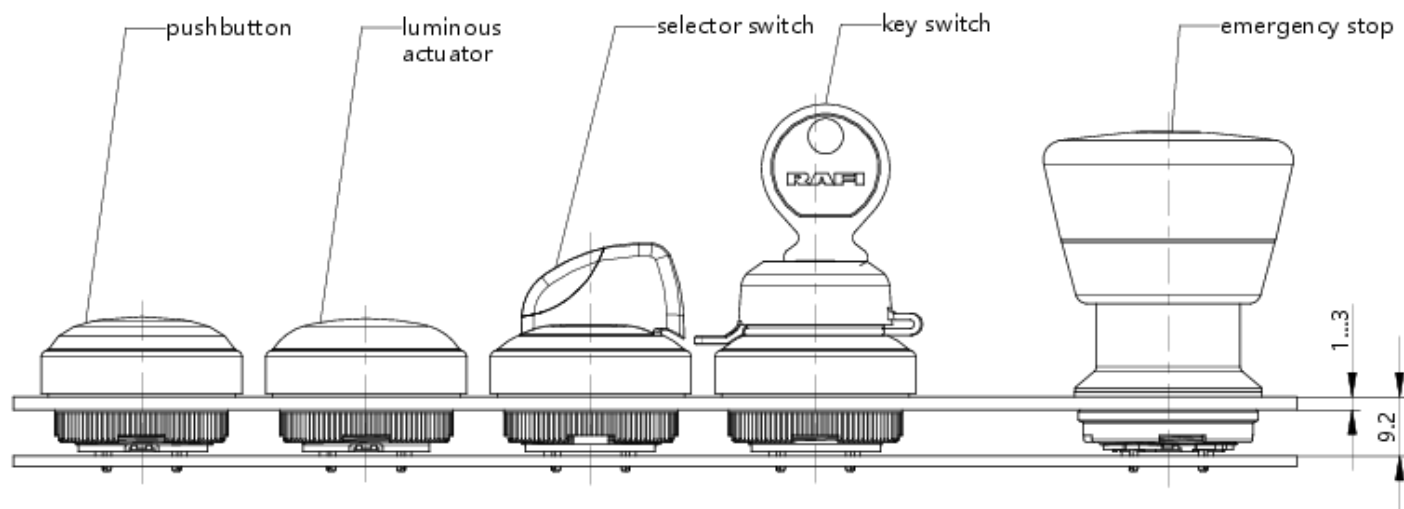
|                            |                            |
|----------------------------|----------------------------|
| Actuation function         | momentary contact function |
| Operating force, max.      | 100 N                      |
| Operating travel, max.     | 4 mm                       |
| Fixing                     | Threaded ring              |
| Threaded ring torque, max. | 1.2 Nm                     |

### direct links

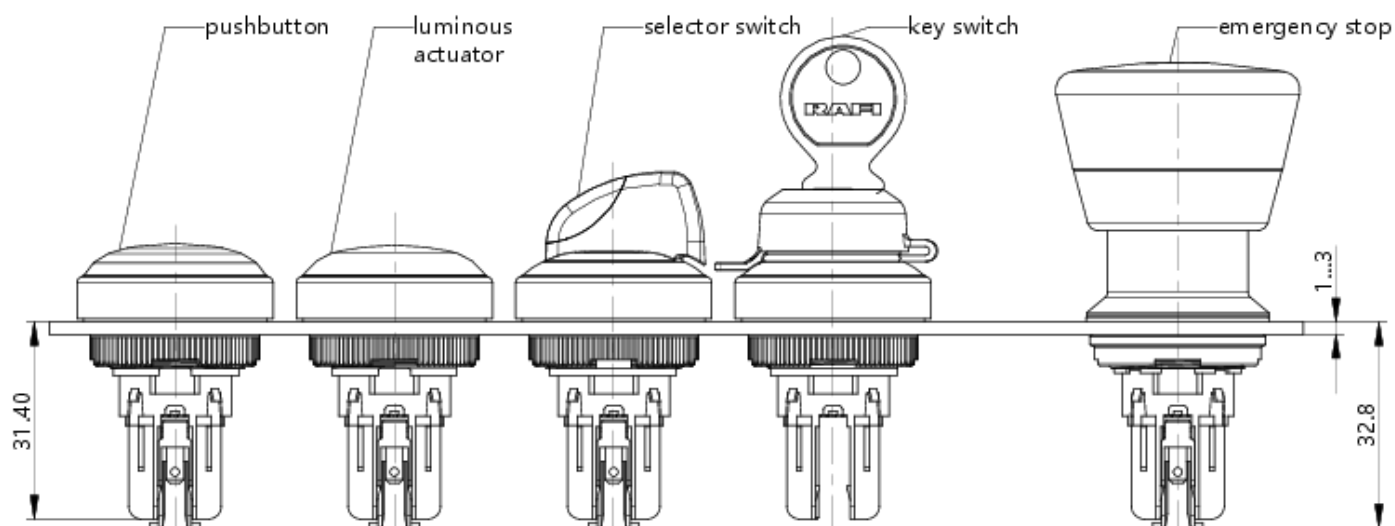
> [RAFI eCatalog](#)

## drawings

### System drawing



### System drawing



## front panel drawing

