

## RAFIX 22 FSR, illuminated selector switch, round collar, frontring black, 2 x 60°, latching



### fields of application

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

### special features

- › Selector switch with illuminated twist grip marking
- › Illumination of the twist grip 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 (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)
- › Degree of protection: IP 65 at the front



### 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   | no   |
| 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   | 14 g   |
| Operating life   | 300,000 cycles   |
| B10  | 390,000 cycles   |
| Degree of protection, front side,<br>according to DIN EN 60529 | IP65<br>IP69   |
| Degree of protection, front side,<br>according to ISO 20653    | IPx9K  |
| UL Enclosure Type Rating front<br>side                         | type 1<br>type 4X  |
| Environment resistance   | IEC 60068-2-14<br>IEC 60068-2-30<br>IEC 60068-2-33<br>IEC 60068-2-78 |
| Salt-spray resistance according to<br>standard                 | IEC 60068-2-11   |
| MOQ order  | 10 pcs.  |
| RoHS compliant   | Yes  |
| REACH compliant  | Yes  |

### > mounting diameters

|                           |            |
|---------------------------|------------|
| Mounting hole             | 22.3 mm    |
| Mounting depth            | 9.2 mm     |
| Installation height       | 23.8 mm    |
| Grid, min.                | 35 x 35 mm |
| Outside dimension, length | 31.3 mm    |
| Outside dimension, width  | 31.3 mm    |
| Collar dimension          | ø 31,3 mm  |

### > mechanical data

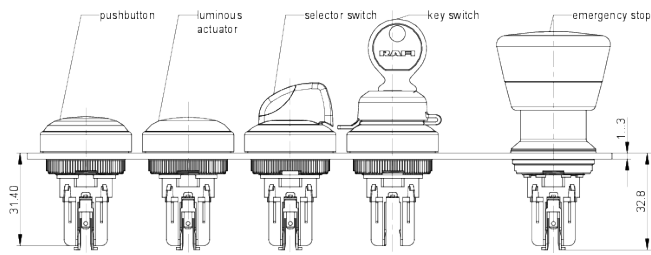
|                            |               |
|----------------------------|---------------|
| Actuation function         | latching      |
| Operating torque, max.     | 2 Nm          |
| Rotating angle             | 2 x 60°       |
| Fixing                     | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm        |

### direct links

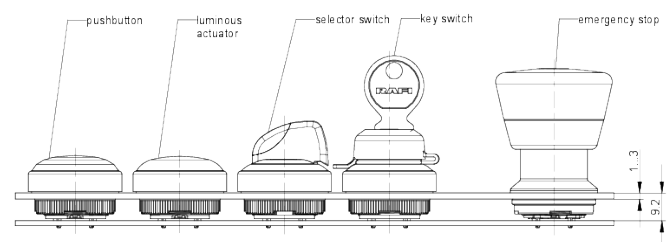
> [RAFI eCatalog](#)

**drawings**

**System drawing**



**System drawing**



**front panel drawing**

