

## RAFIX 30 FS<sup>+</sup>, illuminated pushbutton ring lighting, round collar, frontring stainless steel, Color green, bezel stainless steel



### fields of application

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

### special features

- Illuminated pushbutton with ring illumination
- illumination with SMT-LED
- Function momentary
- Low overall height 3.45 mm
- Shapely front ring made of stainless steel
- Low installation depth 15.7 mm (PCB) or 33.3 mm (QC)
- Special tactile feedback
- 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)
- MICON 5 short-travel keyswitches can be used as switching element by means of the short-travel adapter
- 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.

Pushbutton with stainless steel insert and ring illumination. Using short-stroke adapter in the pushbutton together with short-stroke pushbutton "MICON 5" as contact element, several light functions can be displayed and indicated by LEDs via the minimal installation space on the PCB.

## technical data

### > general

|                                                                |                                                                      |
|----------------------------------------------------------------|----------------------------------------------------------------------|
| Disassembly possible                                           | no                                                                   |
| Scope of delivery                                              | Adapter and threaded ring                                            |
| Bezel color                                                    | stainless steel                                                      |
| Front ring color                                               | stainless steel                                                      |
| Ring lighting color                                            | green                                                                |
| Collar shape                                                   | round                                                                |
| Operating temperature, min.                                    | -25 °C                                                               |
| Storage temperature, min.                                      | -40 °C                                                               |
| Operating temperature, max.                                    | 70 °C                                                                |
| Storage temperature, max.                                      | 80 °C                                                                |
| illuminated                                                    | Yes                                                                  |
| Packaging                                                      | Box                                                                  |
| Packaging unit                                                 | 10 pcs.                                                              |
| net weight                                                     | 13.4 g                                                               |
| Operating life                                                 | 1,000,000 cycles                                                     |
| B10                                                            | 1,300,000 cycles                                                     |
| Degree of protection, front side,<br>according to DIN EN 60529 | IP65                                                                 |
| 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                                                      | 50 pcs.                                                              |
| RoHS compliant                                                 | Yes                                                                  |
| REACH compliant                                                | Yes                                                                  |

### > mounting diameters

|                           |            |
|---------------------------|------------|
| Mounting hole             | 30.3 mm    |
| Mounting depth            | 15.7 mm    |
| Installation height       | 3.45 mm    |
| Grid, min.                | 35 x 35 mm |
| Outside dimension, length | 34.5 mm    |
| Outside dimension, width  | 34.5 mm    |
| Outside dimension, height | 18.4 mm    |
| Collar dimension          | ø 34,5 mm  |

### > mechanical data

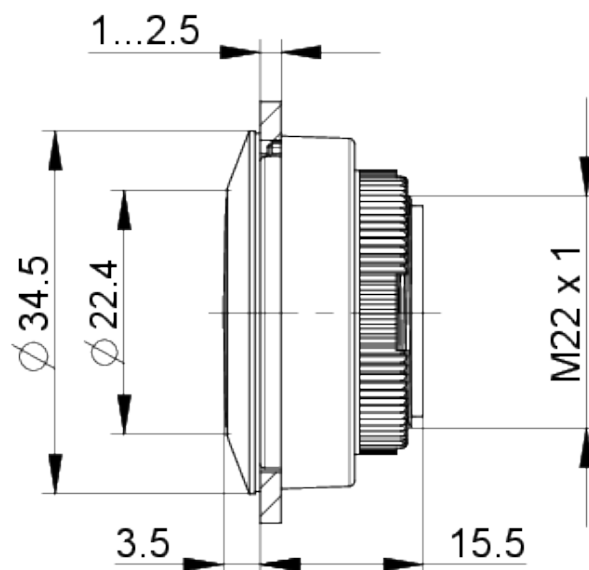
|                            |               |
|----------------------------|---------------|
| Operating force, max.      | 100 N         |
| Operating travel, max.     | 4 mm          |
| Fixing                     | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm        |

### direct links

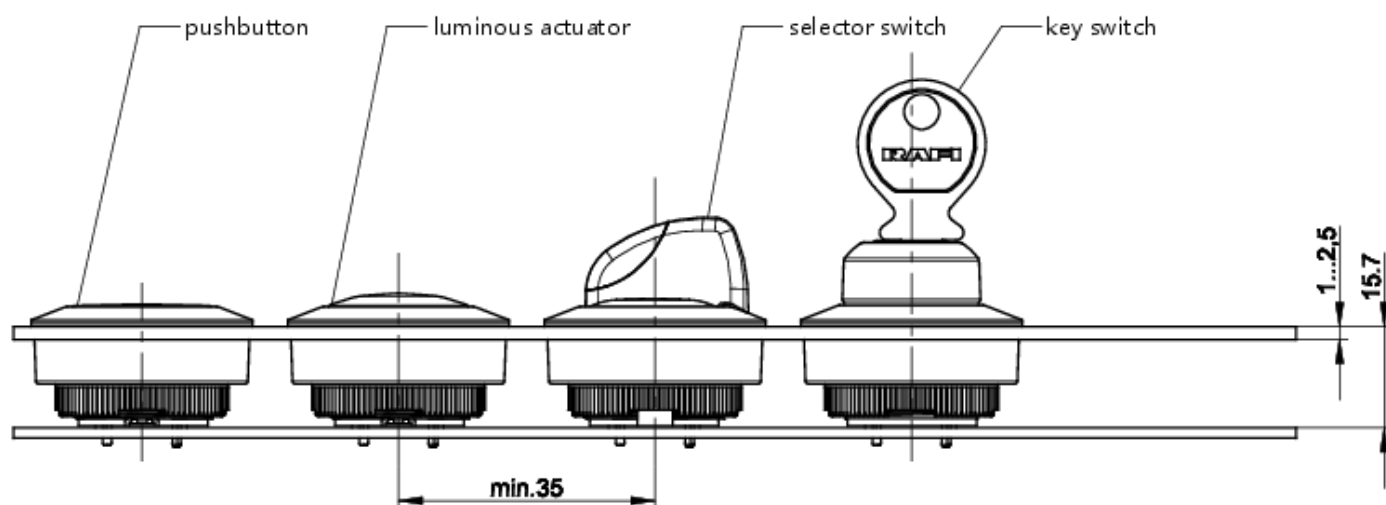
> [RAFI eCatalog](#)

## drawings

### Dimensioned drawing



### System drawing



**Mounting hole drawing**