# RAFIX 22 FS+, mushroom pushbutton, latching, Mushroom head black



### fields of application

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

### special features

- Low mounting 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
- 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 shape and function of the mushroom pushbutton correspond to those of an emergency stop, but has no red actuator (mushroom) and no yellow collar.

Only use with the emergency stop switching element.
The mushroom pushbutton Plus 1 must be used with the emergency stop Plus 1 switching elements (PCB: 1.20.126.414/0000 or QC: 1.20.126.514/0000).

The illuminated version is illuminated through a central round window.

## technical data

**general**

| | |
|---|---|
| Disassembly possible | no |
| Color of mushroom | black |
| Property of bezel / mushroom | opaque |
| Collar color | black |
| Collar shape | round |
| Operating temperature, min. | -25 °C |
| Operating temperature, max. | 70 °C |
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 80 °C |
| illuminated | No |

### direct links

- RAFI eCatalog

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| | |
|---|---|
| Packaging | Box |
| Packaging unit | 2 pcs. |
| net weight | 17 g |
| Operating life | 50,000 cycles |
| B10 | 65,000 cycles |
| Degree of protection, front side, according to DIN EN 60529 | IP65 |
| UL Enclosure Type Rating front side | type 1<br>type 4X indoor |
| 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 standard | 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 | 42.1 mm |
| Mounting hole | 22.3 mm |
| Mounting depth | 9.2 mm |
| Installation height | 33.2 mm |
| Grid, min. | 35 x 35 mm |
| Collar dimension | ø 29,8 mm |

**› mechanical data**

| | |
|---|---|
| Actuation function | latching |
| Operating force, max. | 100 N |
| Resetting | by pulling |
| Fixing | Threaded ring |
| Threaded ring torque, max. | 1.2 Nm |

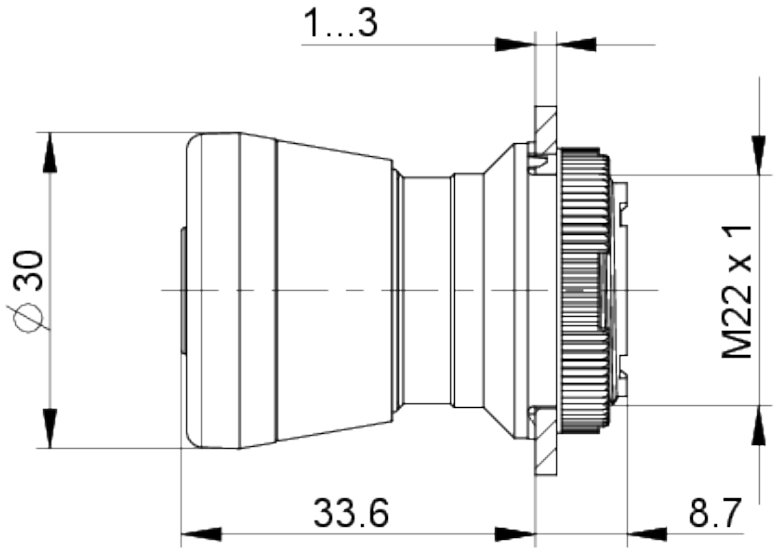
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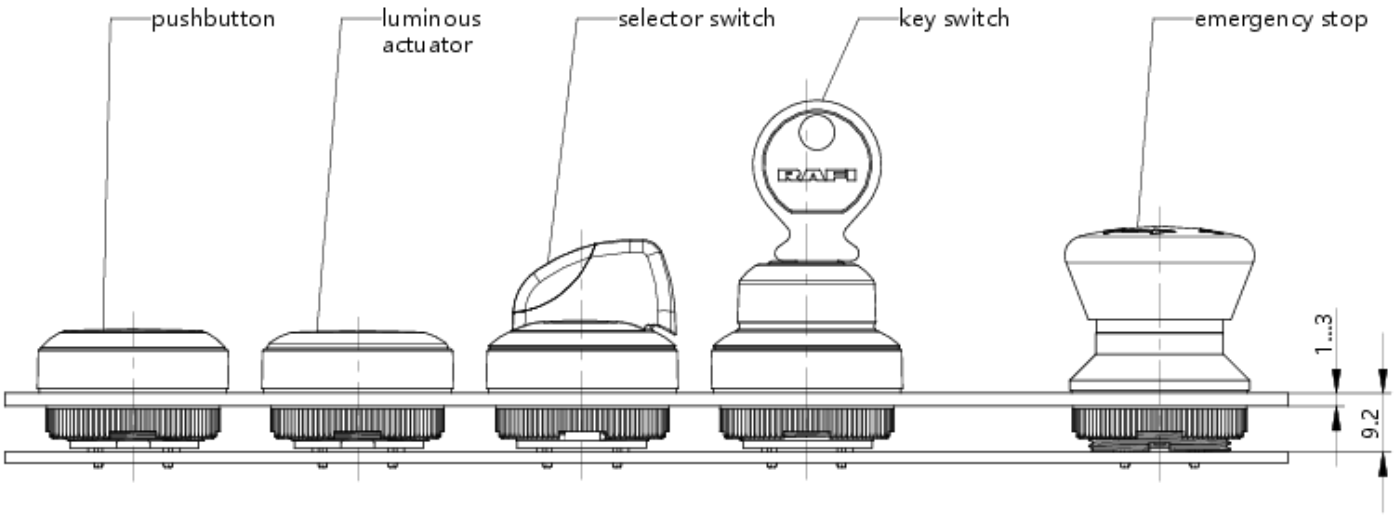
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## drawings

### Dimensioned drawing




### System drawing

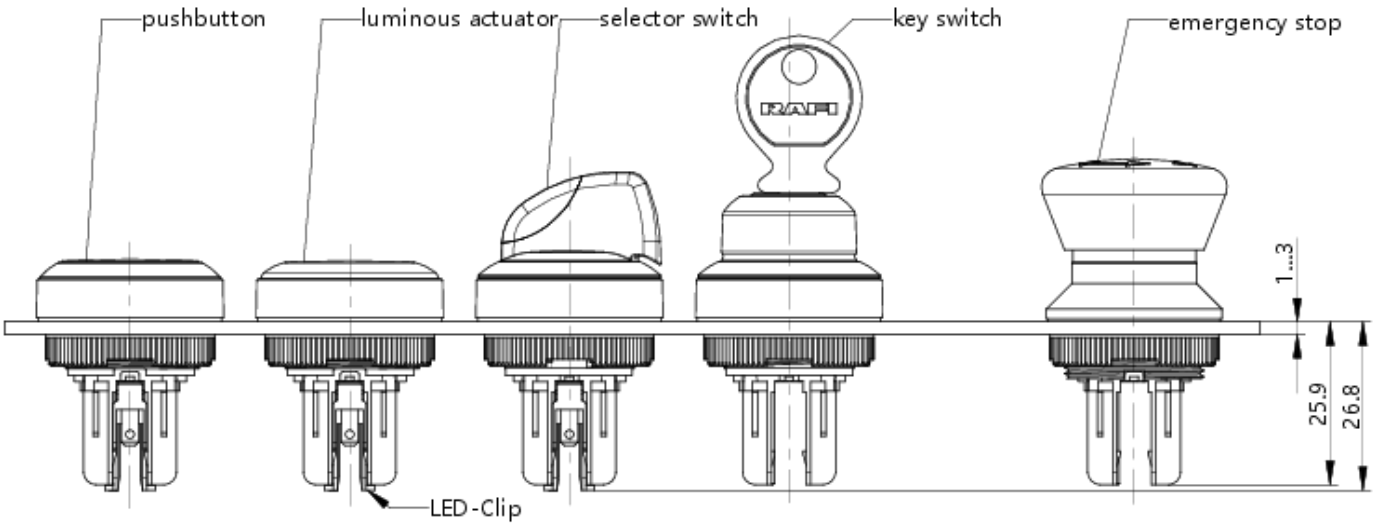



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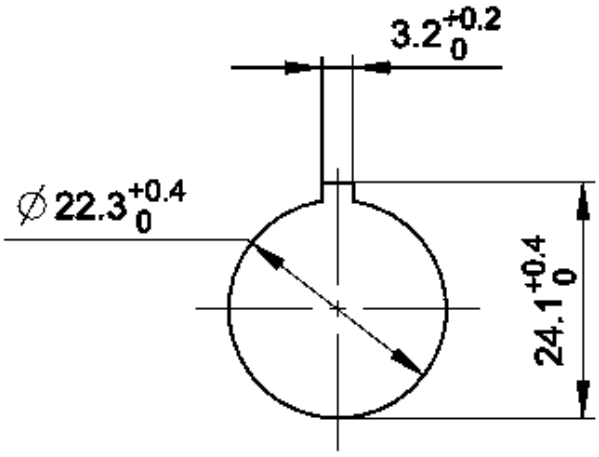

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## System drawing




## Mounting hole drawing



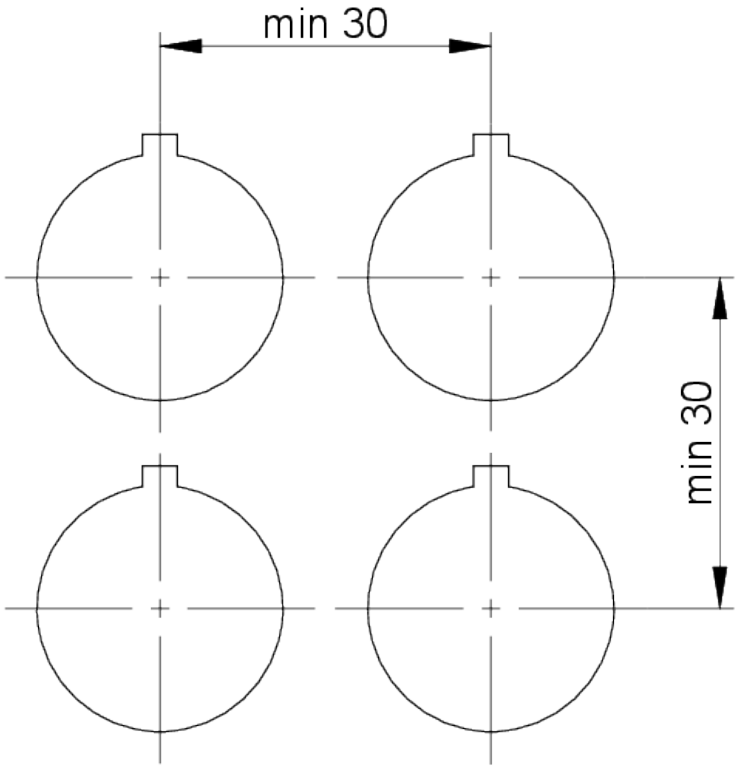

acc. to IEC 60947-5-1

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## front panel drawing




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