

# RAFIX 22 FS<sup>+</sup>, illuminated 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

- > Black mushroom pushbutton with central illuminated transparent window
- > Low mounting depth 9.2 mm (PCB) or 27 mm (QC)
- > Connection types: printed circuit board connection (PCB) or plug-in connection
- > 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 mushroom pushbuttons are protected against unintentional actuation by a positively driven mechanical movement sequence according to DIN EN ISO 13850. To protect against unintentional actuation, a pressure point must be overcome and the pushbutton engages in the pressed position. Exception: The versions 1.30.276.201/xxxx and 1.30.276.701/xxxx are momentary. Due to the shape of the actuating element, the pushbutton is protected against blocking. This means that an initiated actuation process cannot be interrupted by jamming objects.

Use only with emergency stop switching element.

The illuminated versions are illuminated by a round central window.

Rückstellung des betätigten Pilzes durch Ziehen.

### technical data

#### > general

Disassembly possible no Color of mushroom black Property of bezel / mushroom translucent Collar color black

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: Jan 11, 2025 page: 1/5

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Collar shape round

Operating temperature, min. -25 °C

Operating temperature, max. 70 °C

Storage temperature, min. -40 °C
Storage temperature, max. 80 °C
illuminated Yes

Packaging Box
Packaging unit 2 pcs.
net weight 17.4 g

Operating life 50,000 cycles B10 65,000 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

IP65

IEC 60068-2-78 IEC 60068-2-11

Salt-spray resistance according to

standard

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

direct links

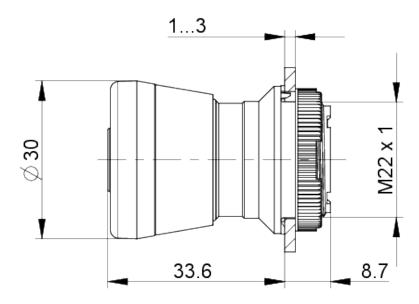
> RAFI eCatalog

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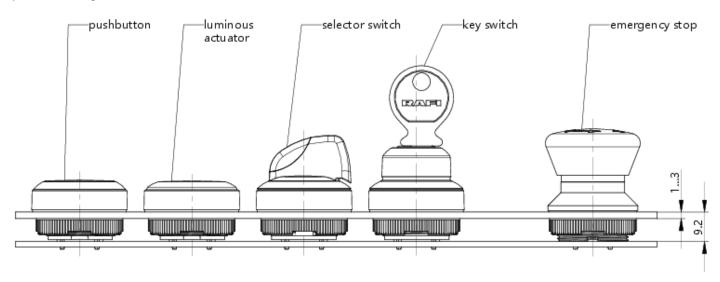


## drawings

### **Dimensioned drawing**

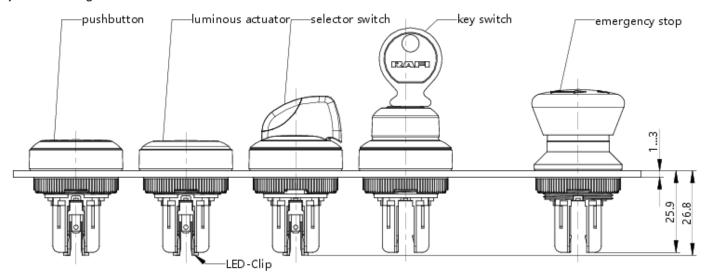


### System drawing

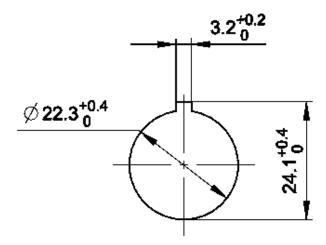




#### System drawing



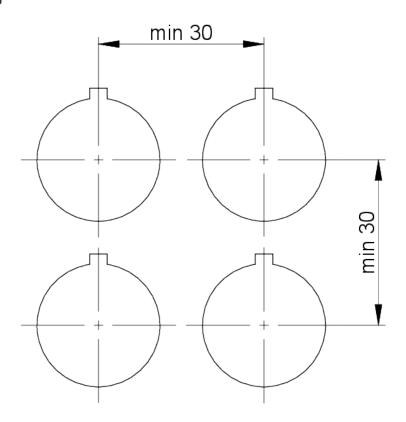
### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing



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www.rafi-group.com, info.headquarters@rafi-group.com