

# RAFIX 22 FS<sup>+</sup>, 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	direct links
Color of mushroom	black	> RAFI eCatalog
Legending color	white	
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	

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: Aug 30, 2024 page: 1/5

RAFI GmbH & Co. KG



illuminated No
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

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 IEC 60068-2-78

**IP65** 

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

Threaded ring torque, max.

Actuation function latching

Operating force, max. 100 N

Resetting by rotating

Fixing Threaded ring

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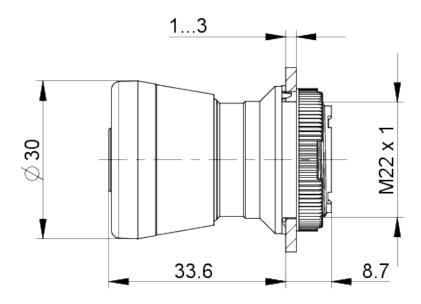
date: Aug 30, 2024 page: 2/5

1.2 Nm

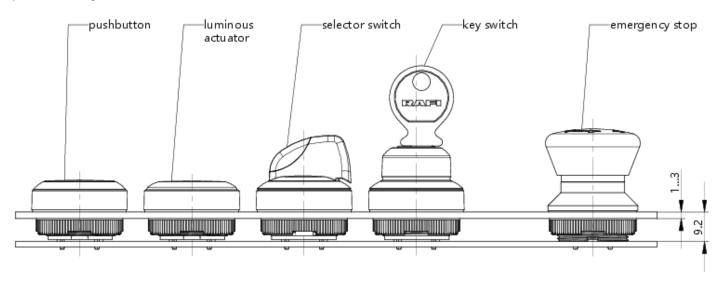


## drawings

### **Dimensioned drawing**

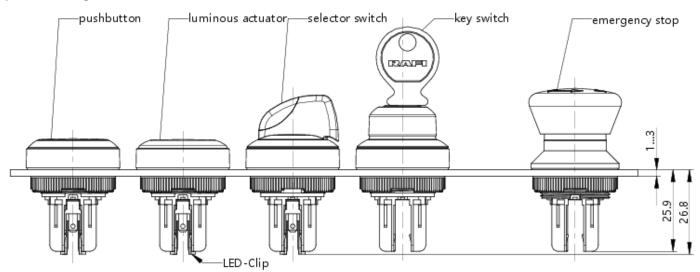


### System drawing

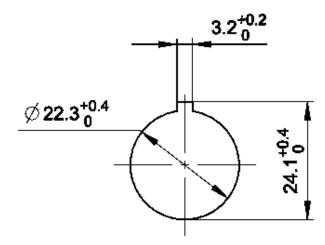




#### System drawing



### Mounting hole drawing



acc. to IEC 60947-5-1



#### front panel drawing

