

# 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 (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 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 Rechtsdrehung.

## 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 may 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: Dec 4, 2024 page: 1/5

### RAFI GmbH & Co. KG

Ravensburger Str. 128-134  
88276 Berg / Ravensburg  
Germany  
www.rafi-group.com,  
info.headquarters@rafi-group.com

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	IP65
UL Enclosure Type Rating front side	type 1 type 4X indoor
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 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

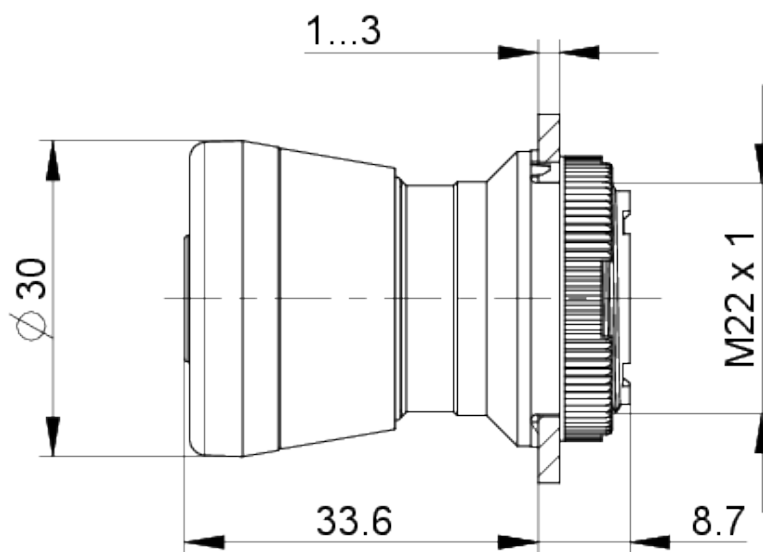
Actuation function	latching
Operating force, max.	100 N
Resetting	by rotating
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm

#### direct links

> [RAFI eCatalog](#)

**drawings**

**Dimensioned drawing**



**System drawing**



**System drawing**



**Mounting hole drawing**



acc. to IEC 60947-5-1

front panel drawing

