RAFIX 22 FS+, 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

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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	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

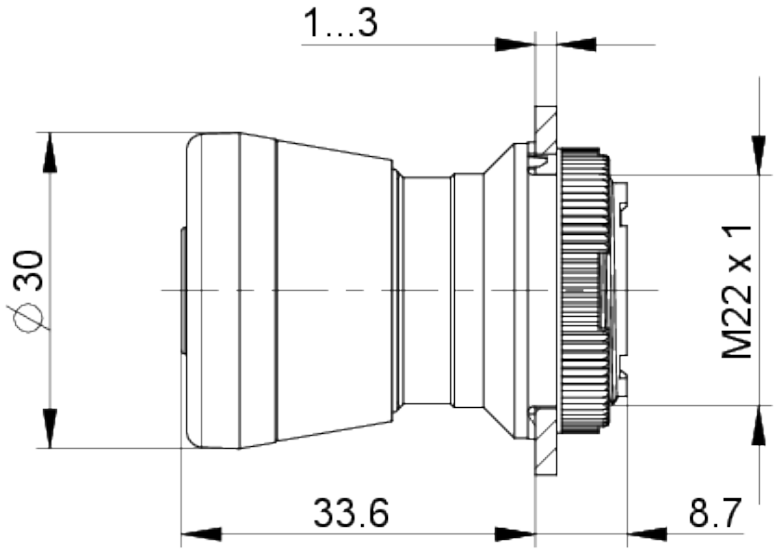
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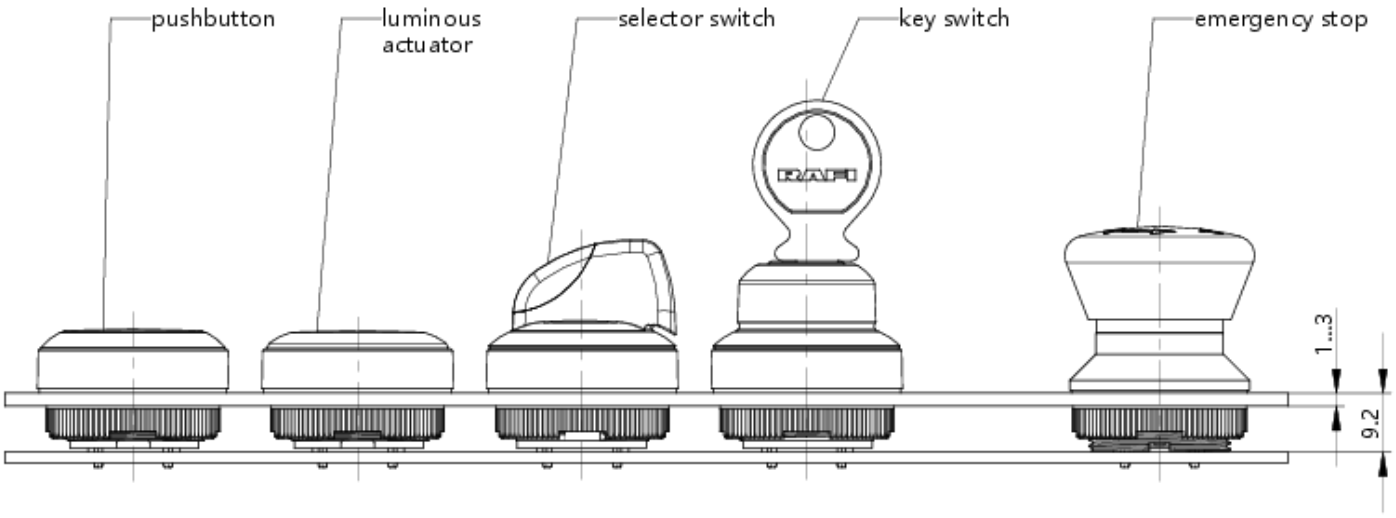
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drawings

Dimensioned drawing



System drawing

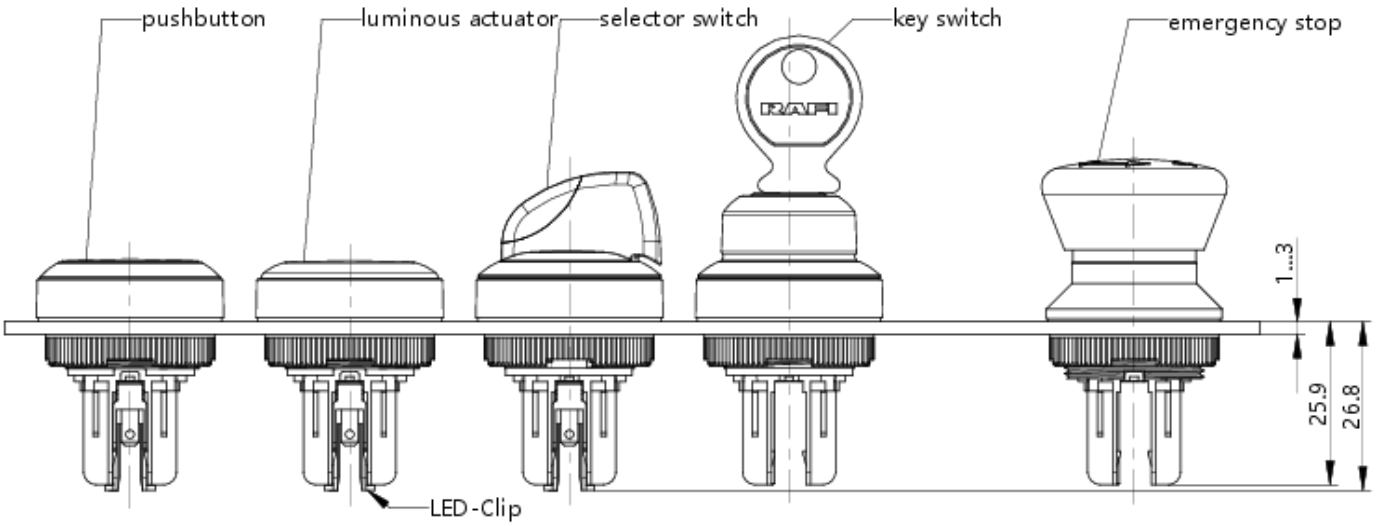


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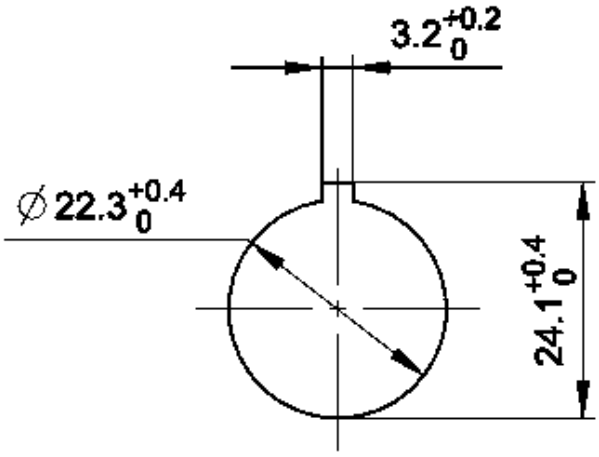
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System drawing



Mounting hole drawing



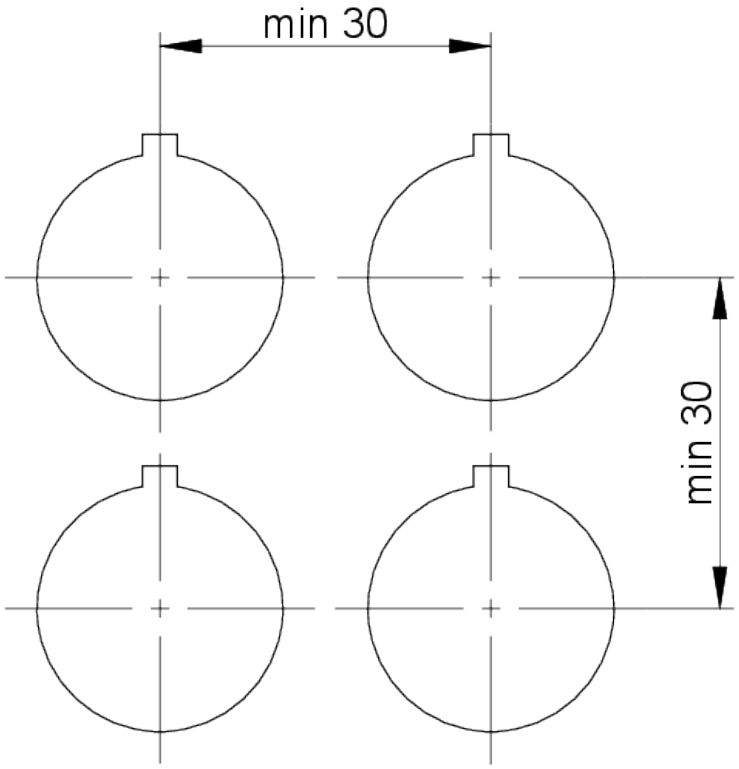
acc. to IEC 60947-5-1

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front panel drawing



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