

# RAFIX 22 FS<sup>+</sup>, illuminated pushbutton, protruding front ring, round collar, momentary contact function, frontring metallic silver, bezel yellow



# fields of application

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

## special features

- Illuminated pushbutton, panel illumination with SMT LED
- Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- > Special tactile feedback
- > Ideal for operation with gloves
- Connection types: printed circuit board connection (PCB) or plug-in connection (QC)
- PCB switching elements minimize assembly errors
- Switching elements with silver contacts (max. 250 V/4 A) or gold contacts (max. 35 V/100 mA)
- The tactile switch adapter allows MICON 5 tactile switches to be used as switching elements
- Design adaptation by different front ring variations
- > Degree of protection: IP 65 at the front
- > Two collar shapes: round and square



# 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.

Pushbutton with translucent bezel. In combination with a corresponding switching element, the bezel can be fully illuminated.

# technical data

>	general	
	Disassembly possible	no
	Bezel color	yellow
	Property of bezel / mushroom	translucent

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	Front ring color	metallic silver
	Collar shape	round
	Operating temperature, min.	-25 °C
	Operating temperature, max.	20°C
	Storage temperature, min.	-40 °C
	Storage temperature, max.	80 °C
	illuminated	Yes
	Packaging	Box
	Packaging unit	10 pcs.
	net weight	6.7 g
	Operating life	1,000,000 cycles
	B10	1,300,000 cycles
	Degree of protection, front side,	IP65
	according to DIN EN 60529	1 00
	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
	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	21.5 mm
	Mounting hole	22.3 mm
	Mounting depth	9.2 mm
	Installation height	12.85 mm
	Grid, min.	30 x 30 mm
	Collar dimension	ø 29,8 mm
>	mechanical data	
	Actuation function	momentary contact function
	Operating force, max.	100 N
	Operating travel, max.	4 mm
	Fixing	Threaded ring
	Threaded ring torque, max.	1.2 Nm

RAFI

direct links

> RAFI eCatalog

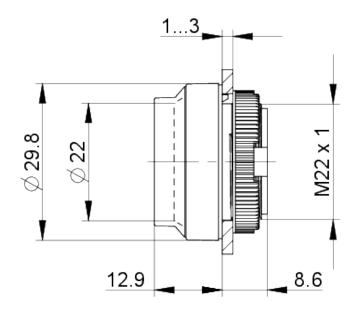
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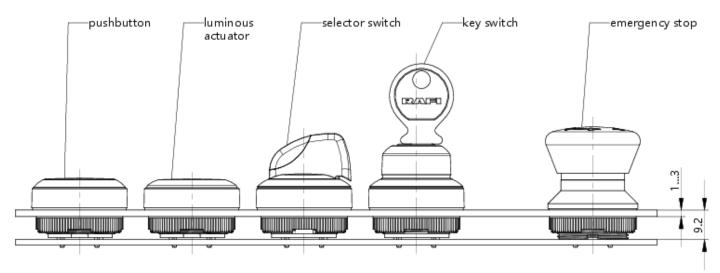


# drawings

## **Dimensioned drawing**



## System drawing



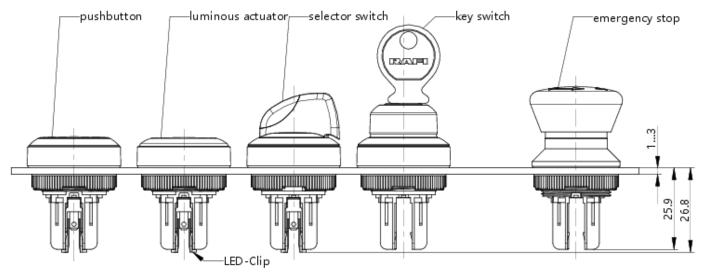
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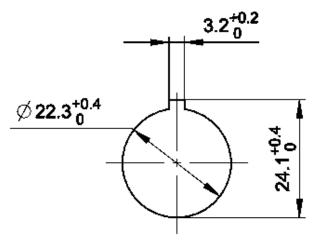




## System drawing



Mounting hole drawing



acc. to IEC 60947-5-1

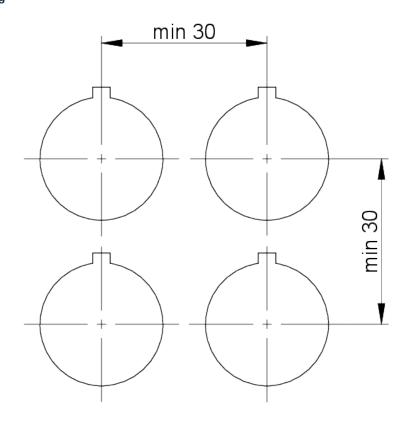
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## front panel drawing



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