

# RAFIX 30 FS<sup>+</sup>, FLEXLAB illuminated pushbutton, round collar, latching, frontring stainless steel



# fields of application

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

# special features

- Illuminated push-button with FLEXLAB technology for easy labeling of the panel
- > Illumination of the cover with SMT LED
- > Low overall height 3.45 mm
- > Elegant stainless steel front ring
- Low installation depth 15.7 mm (PCB) or 33.3 mm (QC)
- > Special tactile feedback
- > Ideal for operation with gloves
- Connection types: PCB connection (PCB) or quick connect (QC)
- The 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 short-stroke adapter allows MICON 5 tactile switches to be used as switching elements
- > Degree of protection: IP 65 on 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.

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

The RAFIX FS+ FLEXLAB pushbutton gives the user the opportunity to individually label control components. Standard legending is offered for this. Alternatively, we offer a DIN A4 labelling sheet complete with pre-punched labels that can be printed using commercially available office laser printers. After printing, the legend inserts can be removed from the sheet and then inserted into the colour bezel with the help of the fine retaining lugs.

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 24, 2025 **page**: 1/4

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

# 1.30.290.931/0000

# technical data

> general



# direct links

➤ RAFI eCatalog

	general	
	Disassembly possible	no
	Front ring color	stainless steel
	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	10 pcs.
	net weight	13.4 g
	Operating life	500,000 cycles
	B10	650,000 cycles
	Degree of protection, front side, according to DIN EN 60529	IP65
	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
	Impact resistance IK	08 frontal
	MOQ order	10 pcs.
	RoHS compliant	Yes
	REACH compliant	Yes
>	mounting diameters	
	Outside dimension, length	34.5 mm
	Outside dimension, width	34.5 mm
	Outside dimension, height	18.5 mm
	Mounting hole	30.3 mm
	Mounting depth	15.7 mm
	Installation height	3.6 mm
	Grid, min.	35 x 35 mm
	Collar dimension	ø 34,5 mm
>	mechanical data	
	Actuation function	latching
	Operating force, max.	100 N
	Operating travel, max.	4 mm
	Fixing	Threaded ring
	Threaded ring torque, max.	1.2 Nm

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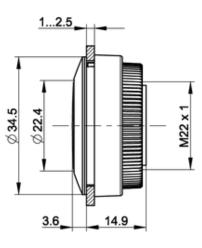
# technical data sheet



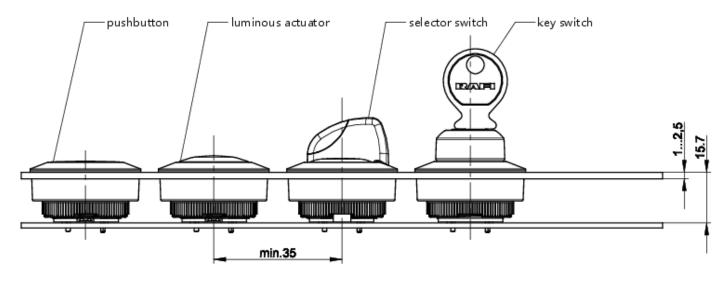


# drawings

# **Dimensioned drawing**



# System drawing



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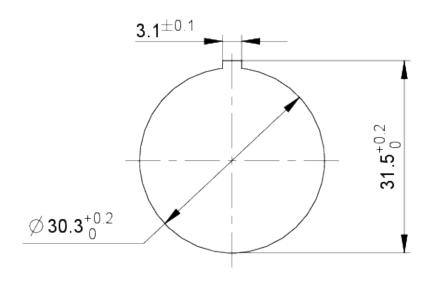
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# Mounting hole drawing



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