

# RAFIX FS switching element universal PCB, silver, for SMT LED, 2 NO



### fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- Signalling systems
- > Vehicle construction
- > Agricultural and forestry machinery
- > Construction machinery
- > Handheld terminals
- > Industrial robots



## description

These switching elements have external plungers and therefore can only be combined with pushbuttons, selector switches and keylock switches.

The PCB switching elements are positioned on a PCB shared with other components. These can subsequently be mounted behind the front panel together with the actuators and signal indicators. The switching elements "float" directly underneath the actuators on the PCB behind the front panel and leave plenty of space for other components.

In the center channel of the switching element, there are either light conductors for the use of SMT-LEDs, or 3 mm THT LEDs can be installed for illumination.

PCB mounting depths

- 9.2 mm for RAFIX 22 FS+ and RAFIX 22 FSR
- 15.7 mm for RAFIX 30 FS+:

## technical data

>	general		
	illuminated	Yes	direct links
	Color	black	RAFI eCatalog
	Operating temperature, min.	-40 °C	
	Operating temperature, max.	85 °C	
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	85 °C	
	Luminous elements	LED	
	Lamp socket	SMT LED	
	Soldering	Manual / wave	

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#### technical data sheet

## 1.20.126.205/9000



	Solder heat resistance according to standard	DIN EN 60068-2-20
	Vibration-resistance according to	5 g at 10 - 500 Hz
	standard IEC 600068-2-6	
	Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
	Packaging unit	30 pcs.
	Environment resistance	IEC 60068-2-14
		IEC 60068-2-30
		IEC 60068-2-33
		IEC 60068-2-78
	Operating life	1,000,000 Cycles
	Operating life electrical	1,000,000 (1A / 250V AC) Cycles
		100,000 (2A / 250V AC) Cycles
		30,000 (4A / 250V AC) Cycles
	B10	1,300,000 Cycles
	B10 electrical	1,300,000 (1A / 250V AC) Cycles
		130,000 (2A / 250V AC) Cycles
		40,000 (4A / 250V AC) Cycles
	RoHS compliant	Yes
	REACH compliant	Yes
	Demontage möglich	No
>	mounting diameters	
	Mounting depth	9.2 mm
	Outside dimension, width	17.75 mm
	Outside dimension, height	17.35 mm
>	mechanical data	
	Contact function	2 NO
	Contact system	Bridge contact
	Contact material	Silver
	Fixing	Soldering
	Terminal on the rear	THT
	Lötbarkeit	Yes
> electrical data		
	Rated insulation voltage	250 V
	Operating current, min.	1 mA
	Rated operating current I, AC15	120 V / 3 A
	B300	240 V / 1,5 A
		I <sub>the</sub> : 5 A
	Rated operating current I, DC13	120 V / 0,55 A
	Q300	240 V / 0,27 A
		I <sub>the</sub> : 2,5 A

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