

# RAFIX FS switching element universal PCB, silver, for THT LED, 1 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
Color	black
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	THT LED
Soldering	Manual / wave

### direct links

- › RAFI eCatalog

Solder heat resistance according to standard	DIN EN 60068-2-20
Vibration-resistance according to standard IEC 60068-2-6	5 g at 10 - 500 Hz
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Packaging unit	30 pcs.
net weight	2.2 g
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
<b>&gt; mounting diameters</b>	
Mounting depth	9.2 mm
Outside dimension, width	17.75 mm
Outside dimension, height	17.35 mm
<b>&gt; mechanical data</b>	
Contact function	1 NO
Contact system	Bridge contact
Contact material	Silver
Fixing	Soldering
Terminal on the rear	THT
Lötbarkeit	Yes
<b>&gt; electrical data</b>	
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