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RAFIX FS switching element universal PCB, silver, for THT LED, 1 NC



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	THT LED	
	Soldering	Manual / wave	

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Solder heat resistance according

to standard

Vibration-resistance according to

standard IEC 600068-2-6

5 g at 10 - 500 Hz

DIN EN 60068-2-20

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 17.35 mm Outside dimension, height

> mechanical data

Contact function 1 NC

Contact system Bridge contact

Contact material Silver Fixina 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

Ithe: 5 A

Rated operating current I, DC13

120 V / 0,55 A Q300 240 V / 0,27 A

I_{the}: 2,5 A