

RAFIX FS switching element universal PCB, gold, for SMT 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
Color	dark gray
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

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	15 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
B10	1,300,000 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	1 NC
Contact system	Bridge contact
Contact material	Gold
Fixing	Soldering
Terminal on the rear	THT
Lötbarkeit	Yes
> electrical data	
Rated voltage, min.	1 V
Rated current, min.	0 A
Rated current, max.	0.1 A
Rated power, max.	250 W