

RAFIX FS switching element emergency stop PCB, gold, for THT LED, 2 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 internal plungers and therefore can only be combined with emergency stop and mushroom pushbuttons.

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+:

- › PCB contact block for RAFIX 22 FS+, RAFIX FSR and RAFIX 30 FS
- › Only suitable for emergency stop and mushroom pushbutton
- › Gold contacts (= grey housing)
- › Mounting: Soldering on printed circuit board
- › Version with light guide for SMT LED, without light guide for THT LED
- › marking:
 - normally closed contacts = red plungers
 - normally open contacts = green plungers
 - N/C and N/O contacts = yellow plungers

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	THT LED
Soldering	Manual / wave
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.
net weight	2.2 g
standard delivery time	3 weeks
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 (10mA / 24V DC) Cycles
B10	1,300,000 Cycles
B10 electrical	1.300.000 (10mA / 24V DC) Cycles
RoHS compliant	Yes
REACH compliant	Yes
Disassembly possible	No
Solder heat resistance according to standard	DIN EN 60068-2-20
MOQ order	30

> mounting diameters

Mounting depth	9.2 mm
Outside dimension, width	17.75 mm
Outside dimension, height	17.35 mm

> mechanical data

Contact function	2 NC
Contact system	Bridge contact
Contact material	Gold
Fixing	Soldering
Terminal on the rear	THT
Solderability	Yes

> electrical data

Rated insulation voltage	50 V
Rated surge voltage	500 V

direct links

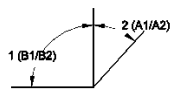
> [RAFI eCatalog](#)

Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	0.25 W
Categories of use	AC-15 DC-13
Conditional short circuit current	1,000 A

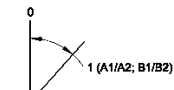
drawings

System drawing

Variante	1S / 1NO	1O / 1NC	2S / 2NO	2O / 2NC	1S + 1O / 1NO + 1NC
Kontakt A1/A2 Anschlussbezeichnung	1S / 1NO 13 - 14	-	1S / 1NO 13 - 14	1O / 1NC 11-12	1S / 1NO 13 - 14
Kontakt B1/B2 Anschlussbezeichnung	-	1O / 1NC 21-22	1S / 1NO 23-24	1O / 1NC 21-22	1O / 1NC 21-22
Kontakt C1/C2* Anschlussbezeichnung	LED*	LED*	LED*	LED*	LED*



Betätiger mit 3 Schaltstellungen



Betätiger mit 2 Schaltstellungen

*LED Belegung bei Beleuchtung des Betätigers

System drawing

