

RAFIX FS switching element emergency stop QC, silver, light guide, for LED clip, 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 QC switching elements can be latched into the actuators without the need for tools and with little effort. Wiring is performed in the conventional manner – directly with male quick-connect terminals. The fast and inexpensive version – in cases where no PCB is cost-effective.

QC mounting depths

- 26.8 mm for RAFIX 22 FS+ and RAFIX 22 FSR
- 32.8 mm for RAFIX 30 FS+:

The NC contacts of these switching elements are forcibly separated according to IEC 60947-25-1.

- > QC contact block for RAFIX 22 FS+, RAFIX FSR and RAFIX 30 FS
- > Connection: QC = Quick Connect
- > Only suitable for emergency stop and mushroom pushbutton
- > Silver contacts (= black housing)
- > Version with light guide for SMT LED, without light guide for THT LED marking:
 - normally closed contacts = red plungers
 - normally open contacts = green plungers
 - normally closed and normally open contacts = yellow plungers



direct links

> RAFI eCatalog

technical data

> general

Disassembly possible no

Color black

Operating temperature, min. -40 °C Storage temperature, min. -40 °C 85 °C Operating temperature, max.

Storage temperature, max. 85 °C illuminated Yes Luminous elements LED Lamp socket LED clip

Packaging unit 10 pcs. net weight 4.3 g

Operating life electrical 1,000,000 (1A / 250V AC) cycles

> 100,000 (2A / 250V AC) cycles 30,000 (4A / 250V AC) cycles

B10 electrical 1.000.000 (1A / 250V AC) cycles

> 200.000 (2A / 250V AC) cycles 70.000 (4A / 250V AC) cycles

15 g at 11 ms amplitude semi-sinusoidal

B₁₀d 140,000 cycles Environment resistance IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33

IEC 60068-2-78

Shock resistance according to standard IEC 60068-2-27

Vibration-resistance according to

standard IEC 60068-2-6

5 g at 10 - 500 Hz

MOQ order 10 pcs. RoHS compliant Yes REACH compliant Yes

> mounting diameters

Mounting depth 27 mm Outside dimension, length 19.7 mm Outside dimension, width 18.6 mm Outside dimension, height 30.65 mm

> mechanical data

100 N Operating force, max. Contact function 2 NC

Bridge contact Contact system

Contact material Silver Fixing Latching

Terminal on the rear Flat quick-connect terminal 2.8 x 0.8 Connection marking Normally Closed: 11/12, 21/22

Solderability No

> electrical data

Rated insulation voltage 250 V

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Rated surge voltage 2,500 V Rated voltage, min. 10 V Voltage type AC/DC Rated operating voltage 10-250 V Rated current, min. 0.01 A 0.5 W Rated power, min. Power loss 0.64 W

Category of use AC-15 / B300 120 V / 3 A (IEC 60947)

240 V / 1,5 A (IEC 60947)

Categories of use AC-15 / B300

DC-13 / Q300

Category of use DC-13 / Q300 120 V / 0,55 A (IEC 60947)

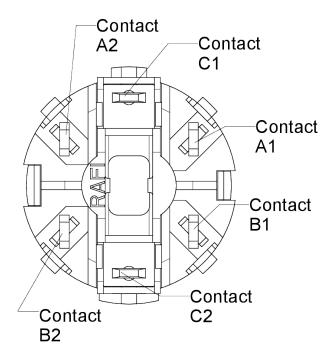
240 V / 0,27 A (IEC 60947)

Conditional short circuit current 1,000 A



drawings

Connection drawing



Contact block with LED-Clip