

## 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

## technical data

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### > general

Disassembly possible	no
Color	black
Operating temperature, min.	-40 °C
Storage temperature, min.	-40 °C
Operating temperature, max.	85 °C
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
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	15 g at 11 ms amplitude semi-sinusoidal
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

### direct links

> [RAFI eCatalog](#)

### > 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

Operating force, max.	100 N
Contact function	2 NC
Contact system	Bridge contact
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

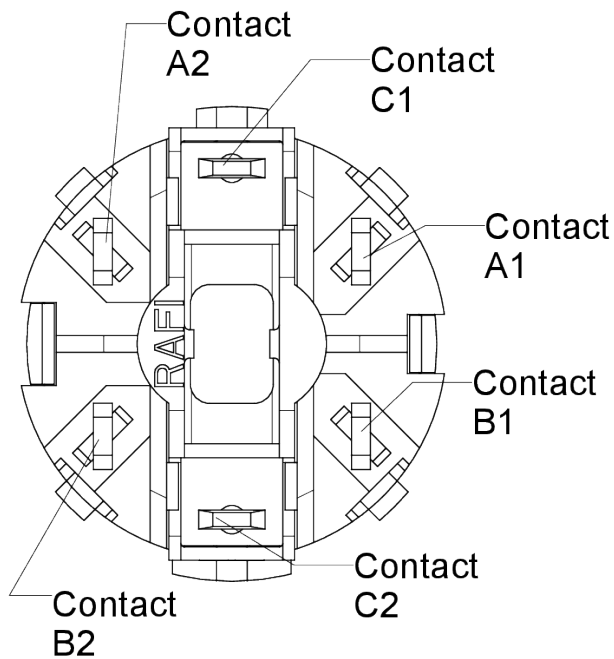
Rated insulation voltage	250 V
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Rated surge voltage	2,500 V
Rated voltage, min.	10 V
Voltage type	AC / DC
Rated operating voltage	10-250 V
Rated current, min.	0.01 A
Rated power, min.	0.5 W
Power loss	0.64 W
Category of use AC-15 / B300	120 V / 3 A (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**

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**Connection drawing**



Contact block with LED-Clip