

RAFIX FS switching element universal QC, silver, light guide, for LED clip, 1 NC + 1 NO



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 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.

While the NO contacts are labeled 13/14 or 23/24, the NC contacts are labeled 11/12 or 21/22. In the connection drawing, the first contact is described as contact A, while the second contact is described as contact B.

QC mounting depths

- 26.8 mm for RAFIX 22 FS+ and RAFIX 22 FSR
- 32.8 mm for RAFIX 30 FS+:
- > QC contact block for RAFIX 22 FS+, RAFIX FSR and RAFIX 30 FS
- > Connection: QC = Quick Connect
- > Only suitable for pushbuttons, selector and key-operated switches, not for mushroom pushbuttons and emergency stop
- > Silver contacts (= black housing)
- > Version with light guide for SMT LED, without light guide for THT LED
- labelling:
 - normally closed contacts = red plungers
 - NO contacts = green plungers
 - NC and NO contacts = yellow plungers



direct links

> RAFI eCatalog

technical data

Packaging unit

> general

Disassembly possible no

Color black

Operating temperature, min. -40 °C
Operating temperature, max. 85 °C
Storage temperature, min. -40 °C
Storage temperature, max. 85 °C
illuminated Yes
Luminous elements LED
Lamp socket LED clip

net weight 4 g

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

10 pcs.

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

B10 electrical 1.300.000 (1A / 250V AC) cycles

130.000 (2A / 250V AC) cycles 40.000 (4A / 250V AC) cycles

15 g at 11 ms amplitude semi-sinusoidal

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 5 g at 10 - 500 Hz

standard IEC 60068-2-6

MOQ order 10 pcs.

RoHS compliant Yes

REACH compliant Yes

> mounting diameters

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

> mechanical data

Operating force, max. 100 N

Contact function 1 NC + 1 NO
Contact system Bridge contact

Contact material Silver
Fixing Latching
Solderability No

Terminal on the rear Flat quick-connect terminal 2.8 x 0.8

Normally Closed: 11/12, 21/22 Normally Open: 13/14, 23/24

> electrical data

Connection marking

Rated insulation voltage 250 V

RAFI GmbH & Co. KG



Rated surge voltage 2,500 V Rated voltage, min. 10 V Rated voltage, max. 250 V Voltage type AC / DC Rated operating voltage 10-250 V Rated current, min. 0.01 A Rated current, max. 4 A Rated power, min. 0.5 W Power loss 0.64000 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)

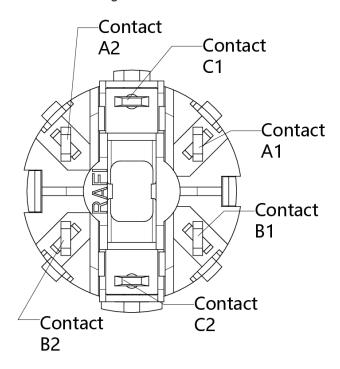
240 V / 0,27 A (IEC 60947)

Conditional short circuit current 1,000 A



drawings

Connection drawing



Contact block with LED-Clip