

# RAFIX FS switching element universal QC, gold, 1 NC



### **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
- > Gold contacts (= grey 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



### technical data

>	general
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net weight

Disassembly possible no

Color dark gray

Operating temperature, min. -40 °C
Operating temperature, max. 85 °C
Storage temperature, min. -40 °C
Storage temperature, max. 85 °C
illuminated Yes
Packaging unit 10 pcs.

Operating life electrical 1.000.000 (10mA / 24V DC) cycles B10 electrical 1.300.000 (10mA / 24V DC) cycles

3.2 g

direct links

> RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.

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RAFI GmbH & Co. KG



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

Minimum order quantity (MOQ) 10 pcs.

RoHS compliant Yes

REACH compliant Yes

country of origin HU

> 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

Contact system Bridge contact

Contact material Gold
Fixing Latching
Solderability No

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

Connection marking Normally Closed: 11/12, 21/22

> electrical data

Rated insulation voltage 50 V Rated surge voltage 500 V Rated voltage, min. 0.02 V Rated voltage, max. 35 V AC / DC Voltage type Rated operating voltage 0.02-35 V Rated current, min. 0.001 A Rated current, max. 0.1 A Rated power, max. 0.25 W 0.00010 W Power loss Categories of use AC-15 DC-13 Conditional short circuit current 1,000 A

#### > Specifications according to IEC 60947-5-1

Rated surge voltage 500 V



## Use according to UL:

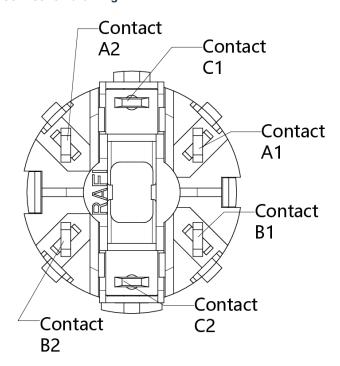
RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.



# drawings

### **Connection drawing**



Contact block with LED-Clip