

# RAFIX FS switching element universal QC, gold, 2 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
- > 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



direct links

> RAFI eCatalog

#### technical data

net weight

> general

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

4 g

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

> 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 2 NO

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 Open: 13/14, 23/24

> electrical data

Rated insulation voltage 50 V
Rated surge voltage 500 V
Rated voltage, min. 0.02 V
Rated voltage, max. 35 V
Voltage type AC / DC
Rated operating voltage 0.02-35 V
Rated current, min. 0.001 A

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Rated current, max. 0.1 A Rated power, max. 0.25 W Power loss 0.00020 W

Categories of use AC-15

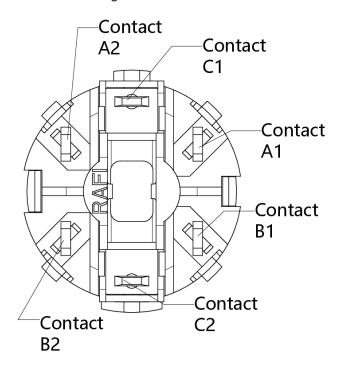
DC-13

1,000 A Conditional short circuit current



## drawings

#### **Connection drawing**



Contact block with LED-Clip