

# RAFIX FS switching element universal QC, silver, 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 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

## technical data

>	general	
	Disassembly possible	no
	Color	black
	Operating temperature, min.	-40 °C

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technical data sheet

## 1.20.126.304/0000



	Operating temperature, may	85 °C	
	Operating temperature, max.		direct links
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	85 °C	RAFI eCatalog
	illuminated	Yes	
	Packaging unit	10 pcs.	
	net weight	4 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	1.300.000 (1A / 250V AC) cycles	
		130.000 (2A / 250V AC) cycles	
		40.000 (4A / 250V AC) 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	5 g at 10 - 500 Hz	
	standard IEC 60068-2-6		
	MOQ order	10 pcs.	
	RoHS compliant	Yes	
	REACH compliant	Yes	
>	mounting diameters	10.7	
	Outside dimension, length	19.7 mm	
	Outside dimension, width	18.6 mm	
	Outside dimension, height	30.65 mm	
、	Mounting depth mechanical data	27 mm	
/		100 N	
	Operating force, max. Contact function	100 N 2 NC	
	Contact system	Bridge contact	
	Contact material	Silver	
	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	Normany 010000. 11/12, 21/22	
	Rated insulation voltage	250 V	
	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	
-			

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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

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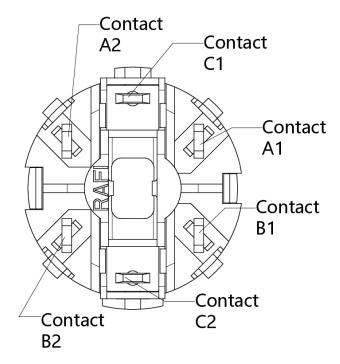
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## drawings

**Connection drawing** 



Contact block with LED-Clip

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