

RAFIX FS switching element universal QC, silver, 1 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.

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	direct links	
Color	black	> RAFI eCatalog	
Operating temperature, min.	-40 °C		
Operating temperature, max.	85 °C		

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technical data sheet





	Storage temperature, min.	-40 °C
	Storage temperature, max.	
	illuminated	Yes
	Packaging unit	10 pcs.
		4.0 g
	net weight	6
	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	
	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	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	
	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	0.32 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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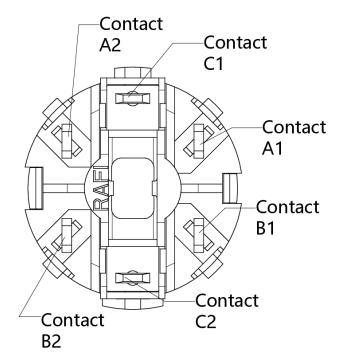
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drawings

Connection drawing



Contact block with LED-Clip

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