

# RAFIX 16, universal switching element, silver, with coupling monitoring, quick-connect terminal, momentary contact function, 2 NC + 1 NO



#### fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Industrial robots

#### special features

- Suitable for emergency stop and actuators with 2 switching directions, such as selector switches and key switches
- Safe switching due to oxidation-free gold contacts (max. 35 V / 0.25 A)
- NC contacts forcibly separated according to IEC 60947-5-1
- Two separate switching chambers, so two different potentials can be switched
- Contact function momentary (switching functions are realized via the actuating element)
- > Mounting by snapping onto actuator
- > Disassembly by turning and pulling off
- Flat plug-in connections 2.8 x 0.8 mm (also with PCB plug-in base) or screw connection



## description

RAFIX universal switching elements are designed for emergency stops and actuators with two actuating directions (e.g. selector switches). The universal switching elements always have a momentary contact function - then a switching function is implemented by the actuator alone.

### technical data

> general		
Color	transparent	direct links
Operating temperature, min.	-25 °C	> RAFI eCatalog
Operating temperature, max.	70 °C	
Storage temperature, min.	-40 °C	
Storage temperature, max.	85 °C	
illuminated	No	
Packaging unit	20 pcs.	
net weight	11.8 g	
Operating life	1,000,000 cycles	
B10	1,300,000 cycles	

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	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	50 g at 11 ms amplitude semi-sinusoidal
	Vibration resistance according to standard IEC 60068-2-6	10 g at 20 - 500 Hz
	Protection class	П
	MOQ order	20 pcs.
	RoHS compliant	Yes
	REACH compliant	Yes
>	mounting diameters	
	Outside dimension, length	22.2 mm
	Outside dimension, width	22.2 mm
	Outside dimension, height	34.4 mm
	Mounting depth	44.7 mm
>	mechanical data	
·	Actuation function	momentary contact function
	Operating force, max.	100 N
	Operating travel, max.	3 mm
	Contact function	2 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
、	electrical data	
1		250.1/
	Rated insulation voltage	250 V
	Rated surge voltage	2,500 V
	Rated operating voltage	250 V (AC-15) 250 V / 125 V / 60 V / 24 V (DC-13)
	Rated voltage, min.	10 V
	Rated voltage, max.	250 V
	Voltage type	AC / DC
	Rated operating current I, AC15 B300	240 V / 1,5 A
	Rated operating current I, DC13	250 V / 0,275 A
	Q300	125 V / 0,4 A
		60 V / 1 A
		24 V / 2 A
	Rated operating voltage	10-250 V
	Power loss	1.44000 W
	Category of use AC-15 / B300	250 V / 1,5 A (CCC)
	Categories of use	AC-15 / B300
		DC-13 / Q300
	Category of use DC-13 / Q300	240 V / 0,27 A (CCC)

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