

# RAFIX 16, universal switching element, silver, without lamp socket, screw terminal, momentary contact function, 1 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	light gray
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	85 °C
illuminated	No
Packaging unit	20 pcs.
net weight	17 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
Environment resistance	IEC 60068-2-14 IEC 60068-2-30

### direct links

- > [RAFI eCatalog](#)

	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	II
MOQ order	20 pcs.
RoHS compliant	Yes
REACH compliant	Yes
<b>&gt; mounting diameters</b>	
Outside dimension, length	25 mm
Outside dimension, width	22 mm
Outside dimension, height	41 mm
Mounting depth	51.1 mm
<b>&gt; mechanical data</b>	
Actuation function	momentary contact function
Operating force, max.	100 N
Operating travel, max.	3 mm
Contact function	1 NC + 1 NO
Contact system	Bridge contact
Contact material	Silver
Fixing	Latching
Terminal on the rear	Screw terminal
Abisolierlänge	9 mm
<b>&gt; electrical data</b>	
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 Q300	250 V / 0,275 A 125 V / 0,4 A 60 V / 1 A 24 V / 2 A
Rated operating voltage	10-250 V
Power loss	2.16000 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)
Maximum connection cross section	1.5 mm <sup>2</sup>

Minimum connection cross section                      0.25 mm<sup>2</sup>

**drawings**

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**System drawing**

