

# RAFIX 16, universal switching element, silver, without lamp socket, quick-connect 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	8 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	22.2 mm
Outside dimension, width	22.2 mm
Outside dimension, height	34.4 mm
Mounting depth	44.7 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
Solderability	No
Terminal on the rear	Flat quick-connect terminal 2.8 x 0.8
<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	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)

**drawings**

**System drawing**

