

# RAFIX 16, universal switching element, silver, with lamp socket, screw terminal, momentary contact function, for W 2 x 4.6d, 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
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Color light gray Operating temperature, min. -25 °C 70 °C

Operating temperature, max. Storage temperature, min. -40 °C 85 °C Storage temperature, max. illuminated Yes

Lamp socket W 2 x 4.6d Packaging unit 20 pcs. net weight 21 g

Operating life 1,000,000 cycles direct links

> RAFI eCatalog



B10 1,300,000 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

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

MOQ order 20 pcs. RoHS compliant Yes **REACH** compliant Yes

> mounting diameters

Outside dimension, length 25 mm Outside dimension, width 22 mm Outside dimension, height 43 mm Mounting depth 51.1 mm

> mechanical data

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 Fixina Latching

Terminal on the rear Screw terminal

Abisolierlänge 9 mm

> electrical data

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 240 V / 1,5 A

Rated operating current I, AC15

B300

Rated operating current I, DC13 250 V / 0,275 A Q300

125 V / 0,4 A 60 V / 1 A

24 V / 2 A 10-250 V

Rated operating voltage 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)

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Maximum connection cross

section

Minimum connection cross

section

0.25 mm<sup>2</sup>

1.5 mm<sup>2</sup>



### drawings

#### System drawing

