### 1.20.123.024/0000



# RAFIX 16, universal switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 2 NC



#### 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

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Color light gray -25 °C Operating temperature, min. 70 °C Operating temperature, max.

-40 °C Storage temperature, min. 85 °C Storage temperature, max. illuminated No Packaging unit 20 pcs. net weight 8.4 g

Operating life 1,000,000 cycles 1,300,000 cycles Environment resistance IEC 60068-2-14 IEC 60068-2-30

direct links

> RAFI eCatalog

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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 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 2 NC Contact function

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

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 250 V Rated voltage, max. AC / DC Voltage type Rated operating current I, AC15 240 V / 1,5 A

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 1.44 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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## drawings

#### System drawing

