# RAFIX 16, universal switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 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 | 7 g |
| Operating life | 1,000,000 cycles |
| B10 | 1,300,000 cycles |
| Environment resistance | IEC 60068-2-14<br>IEC 60068-2-30 |

### direct links

- RAFI eCatalog

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| | |
|---|---|
| | IEC 60068-2-33<br>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 |

**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 | 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**

| | |
|---|---|
| Rated insulation voltage | 250 V |
| Rated surge voltage | 2,500 V |
| Rated operating voltage | 250 V (AC-15)<br>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<br>125 V / 0,4 A<br>60 V / 1 A<br>24 V / 2 A |
| Rated operating voltage | 10-250 V |
| Power loss | 0.72000 W |
| Category of use AC-15 / B300 | 250 V / 1,5 A (CCC) |
| Categories of use | AC-15 / B300<br>DC-13 / Q300 |
| Category of use DC-13 / Q300 | 240 V / 0,27 A (CCC) |

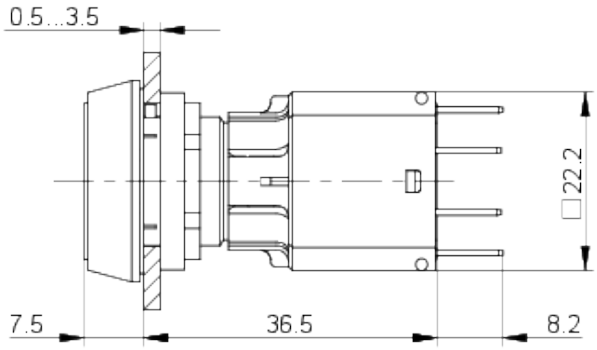
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## drawings

### System drawing




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