

# **RAFIX 16, universal switching element, gold, 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**

|                             |            |
|-----------------------------|------------|
| Color                       | light gray |
| Operating temperature, min. | -25 °C     |
| Storage temperature, min.   | -40 °C     |
| Operating temperature, max. | 70 °C      |
| Storage temperature, max.   | 85 °C      |
| illuminated                 | Yes        |
| Lamp socket                 | W 2 x 4.6d |
| Packaging unit              | 20 pcs.    |
| net weight                  | 21.0 g     |

### **direct links**

- [RAFI eCatalog](#)

|                                                          |                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------|
| Operating life                                           | 2,000,000 cycles                                                     |
| B10                                                      | 2,600,000 cycles                                                     |
| Environment resistance                                   | IEC 60068-2-14<br>IEC 60068-2-30<br>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                                                                  |
| <b>&gt; mounting diameters</b>                           |                                                                      |
| Mounting depth                                           | 51.1 mm                                                              |
| Outside dimension, length                                | 25 mm                                                                |
| Outside dimension, width                                 | 22 mm                                                                |
| Outside dimension, height                                | 43 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                                         | Gold                                                                 |
| Fixing                                                   | Latching                                                             |
| Terminal on the rear                                     | Screw terminal                                                       |
| <b>&gt; electrical data</b>                              |                                                                      |
| Rated voltage, min.                                      | 0.02 V                                                               |
| Rated voltage, max.                                      | 35 V                                                                 |
| Voltage type                                             | AC / DC                                                              |
| Rated operating voltage                                  | 0.02-35 V                                                            |
| Rated current, min.                                      | 0.001 A                                                              |
| Rated current, max.                                      | 0.25 A                                                               |
| Power loss                                               | 0.002 W                                                              |
| 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

