

# **RAFIX 16, universal switching element, silver, with lamp socket, screw terminal, momentary contact function, for W 2 x 4.6d, 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**

### **➤ 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           |
| Operating life              | 1,000,000 cycles |
| B10                         | 1,300,000 cycles |

### **direct links**

- [RAFI eCatalog](#)

|                                                          |                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------|
| 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                                         | 2 NC                                                                 |
| Contact system                                           | Bridge contact                                                       |
| Contact material                                         | Silver                                                               |
| Fixing                                                   | Latching                                                             |
| Terminal on the rear                                     | Screw terminal                                                       |
| <b>&gt; electrical data</b>                              |                                                                      |
| Rated insulation voltage                                 | 250 V                                                                |
| Rated surge voltage                                      | 2,500 V                                                              |
| 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                     | 60 V / 1 A<br>250 V / 0,275 A<br>24 V / 2 A                          |
| Rated operating voltage                                  | 10-250 V                                                             |
| Power loss                                               | 2.16 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)                                                 |
| Maximum connection cross section                         | 1.5 mm <sup>2</sup>                                                  |
| Minimum connection cross section                         | 0.25 mm <sup>2</sup>                                                 |

**drawings****System drawing**