

# RAFIX 16, universal switching element, gold, with lamp socket, quick-connect 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           |
| Operating temperature, max. | 70 °C            |
| Storage temperature, min.   | -40 °C           |
| Storage temperature, max.   | 85 °C            |
| illuminated                 | Yes              |
| Lamp socket                 | W 2 x 4.6d       |
| Packaging unit              | 20 pcs.          |
| net weight                  | 9.5 g            |
| Operating life              | 2,000,000 cycles |

### direct links

- [RAFI eCatalog](#)

|  |  |
|--|--|
| 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>                           |  |
| Outside dimension, length                                | 22.2 mm  |
| Outside dimension, width                                 | 22.2 mm  |
| Outside dimension, height                                | 34.4 mm  |
| Mounting depth   | 44.7 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   |
| Solderability  | No   |
| Terminal on the rear                                     | Flat quick-connect terminal 2.8 x 0.8                                |
| <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   | 0.00125 W  |

**drawings**

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**System drawing**