

# **RAFIX 16, standard switching element, silver, with lamp socket, quick-connect 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 pushbuttons, mushroom pushbuttons and toggle switches
- Silver contacts, optimal for switching large currents (max. 250 V / 6 A)
- Optional with latching function for visible switch function
- 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 16 standard switching elements are designed for pushbuttons. The switching elements are available with a momentary contact or latching function, so that latching pushbuttons can also be achieved.

## **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                                            | 9.0 g                                                                |
| Operating life                                        | 1,000,000 cycles                                                     |
| B10                                                   | 1,300,000 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                              |

### **direct links**

- [RAFI eCatalog](#)

|                                                          |                                                         |
|----------------------------------------------------------|---------------------------------------------------------|
| 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                                           | 44.7 mm                                                 |
| Outside dimension, length                                | 22.2 mm                                                 |
| Outside dimension, width                                 | 22.2 mm                                                 |
| Outside dimension, height                                | 34.4 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                                     | Flat quick-connect terminal 2.8 x 0.8                   |
| Connection marking                                       | Normally Closed: 11/12, 21/22<br>Lamp: X1 (+), X2 (GND) |
| Solderability                                            | No                                                      |
| <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                                               | 1.44 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)                                    |

**drawings****System drawing**