

## RAFIX 16, standard switching element, silver, without lamp socket, quick-connect terminal, momentary contact function, 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   |
| Operating temperature, max.                              | 70 °C  |
| Storage temperature, min.                                | -40 °C   |
| Storage temperature, max.                                | 85 °C  |
| illuminated  | No   |
| Packaging unit   | 20 pcs.  |
| net weight   | 9 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                              |
| Vibration-resistance according to standard IEC 60068-2-6 | 10 g at 20 - 500 Hz  |
| Protection class   | II   |
| MOQ order  | 20 pcs.  |

#### direct links

- › [RAFI eCatalog](#)

|   |  |
|---|--|
| 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                        | 2 NC   |
| Contact system                          | Bridge contact   |
| Contact material                        | Silver   |
| Fixing                                  | Latching   |
| Solderability                           | No   |
| Terminal on the rear                    | Flat quick-connect terminal 2.8 x 0.8                        |
| Connection marking                      | Normally Closed: 11/12, 21/22                                |
| <b>&gt; electrical data</b>             |  |
| 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<br>B300 | 240 V / 1,5 A  |
| Rated operating current I, DC13<br>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                              | 1.44000 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**

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**System drawing**