

# RAFIX 16, standard switching element, gold, without lamp socket, quick-connect terminal, momentary contact function, 2 NO



## fields of application

- › Measurement-control-regulation
- › Electrical engineering
- › Mechanical and system engineering
- › Industrial robots

## special features

- › Suitable for pushbuttons, mushroom pushbuttons and toggle switches
- › Safe switching due to oxidation-free gold contacts (max. 35 V / 0.25 A)
- › Optional mt 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   | 8.5 g  |
| 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.  |

### 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 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 |
| Connection marking             | Normally Open: 13/14, 23/24           |
| <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**

