

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



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                                           | 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                                                                   |
| Minimum order quantity (MOQ)                             | 20 pcs.                                                              |
| RoHS compliant                                           | Yes                                                                  |
| REACH compliant                                          | Yes                                                                  |
| Country of origin                                        | DE                                                                   |

> mounting diameters

|                           |         |
|---------------------------|---------|
| Outside dimension, length | 22.2 mm |
| Outside dimension, width  | 22.2 mm |
| Outside dimension, height | 34.4 mm |
| Mounting depth            | 44.7 mm |

> mechanical data

|                      |                                       |
|----------------------|---------------------------------------|
| Connection marking   | Normally Open: 13/14, 23/24           |
| Terminal on the rear | Flat quick-connect terminal 2.8 x 0.8 |

direct links

> RAFI eCatalog

|                        |                            |
|------------------------|----------------------------|
| Fixing                 | Latching                   |
| 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       | Silver                     |
| Solderability          | No                         |

**> electrical data**

|                                         |                      |
|-----------------------------------------|----------------------|
| 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<br>B300 | 240 V / 1,5 A        |
| Rated operating current I, DC13<br>Q300 | 250 V / 0,275 A      |
|                                         | 125 V / 0,4 A        |
|                                         | 60 V / 1 A           |
|                                         | 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         |
|                                         | DC-13 / Q300         |
| Category of use DC-13 / Q300            | 240 V / 0,27 A (CCC) |

**> Specifications according to IEC 60947-5-1**

|                         |                                     |
|-------------------------|-------------------------------------|
| Rated operating voltage | 250 V (AC-15)                       |
|                         | 250 V / 125 V / 60 V / 24 V (DC-13) |
| Rated surge voltage     | 2,500 V                             |

**Use according to UL:**

RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.

## drawings

### System drawing

