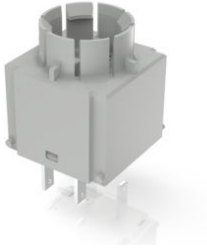


RAFIX 16, standard switching element, silver, without lamp socket, quick-connect terminal, latching, 1 NC + 1 NO



fields of application

➤ Measurement-control-regulation

➤ Electrical engineering

➤ Mechanical and system engineering

➤ Industrial robots

special features

➤ Suitable for pushbuttons, mushroom pushbuttons and toggle switches

➤ 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                                                |                                                                      | direct links    |
|----------------------------------------------------------|----------------------------------------------------------------------|-----------------|
| Color                                                    | light gray                                                           | ➤ RAFI eCatalog |
| 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                                               | 8.3 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.                                                              |                 |

|                                         |                                                              |
|-----------------------------------------|--------------------------------------------------------------|
| 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                      | latching                                                     |
| Operating force, max.                   | 100 N                                                        |
| Operating travel, max.                  | 3 mm                                                         |
| Contact function                        | 1 NC + 1 NO                                                  |
| 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<br>Normally Open: 13/14, 23/24 |
| <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                              | 1.44 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

