# RAFIX 16, universal switching element, gold, 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 emergency stop and actuators with 2 switching directions, such as selector switches and key switches
- Safe switching due to oxidation-free gold contacts (max. 35 V / 0.25 A)
- NC contacts forcibly separated according to IEC 60947-5-1
- Two separate switching chambers, so two different potentials can be switched
- Contact function momentary (switching functions are realized via the actuating element)
- 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 universal switching elements are designed for emergency stops and actuators with two actuating directions (e.g. selector switches). The universal switching elements always have a momentary contact function - then a switching function is implemented by the actuator alone.

## 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 | 8.8 g |
| Operating life | 2,000,000 cycles |
| B10 | 2,600,000 cycles |
| Environment resistance | IEC 60068-2-14<br>IEC 60068-2-30 |

### direct links

- RAFI eCatalog

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights.


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| | |
|---|---|
| | 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 |

**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**

| | |
|---|---|
| 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 | Gold |
| Fixing | Latching |
| Solderability | No |
| Terminal on the rear | Flat quick-connect terminal 2.8 x 0.8 |

**electrical data**

| | |
|---|---|
| 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 |

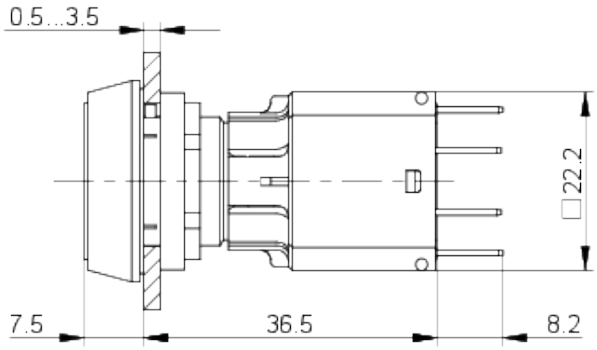
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## drawings

### System drawing




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