

# **RAFIX 16, selector switch, square collar alignable in rows, 1 x 90°, shape V, latching**



## **fields of application**

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

## **special features**

- Selector switch in various rotation angle variants
- Opaque rotary handle marking, not illuminable
- Robust - also suitable for operation with gloves
- Close mounting of actuators possible, as wiring is axial from the rear
- Degree of protection: IP 65 at the front
- Mounting diameter 16.2 mm
- Separate switching elements UNIVERSAL required
- Switching elements with silver contacts (max. 250 V / 6 A) or gold contacts (max. 35 V / 0.25 A)
- Connection types switching elements: screw connection, plug connection, PCB plug-in socket



## **description**

RAFIX control devices are modular units consisting of several parts. In the RAFIX 16 family, they always consist of an actuating element and a switching element, or of an indicator lamp and a lamp socket. Actuating elements (such as pushbuttons or emergency stop actuators) have the specified tactility, reset and function only when assembled with the appropriate switching elements. For illuminated actuators, please use switching elements with lamp socket.

With RAFIX 16 actuators, you can choose between three collar shapes: round, square or square side-by-side, where the pushbuttons can be lined up seamlessly. The mounting diameter is 16.2 mm according to the standard. The anti-rotation lug can be easily removed with a screwdriver if necessary.

## **technical data**

### **➤ general**

|                             |                          |
|-----------------------------|--------------------------|
| Collar shape                | square alignable in rows |
| Operating temperature, min. | -25 °C                   |
| Storage temperature, min.   | -40 °C                   |
| Operating temperature, max. | 70 °C                    |
| Storage temperature, max.   | 85 °C                    |

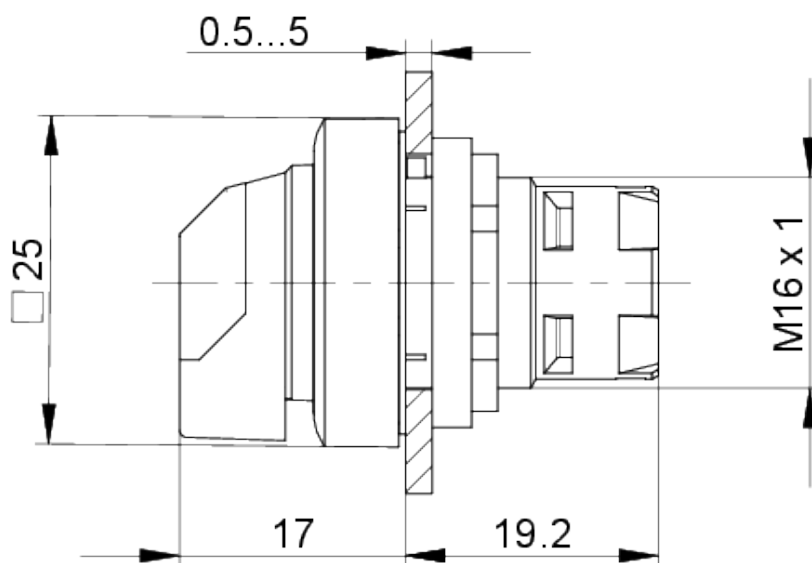
### **direct links**

- [RAFI eCatalog](#)

|                                                                |                                                                      |
|----------------------------------------------------------------|----------------------------------------------------------------------|
| illuminated                                                    | No                                                                   |
| Packaging                                                      | Box                                                                  |
| Packaging unit                                                 | 2 pcs.                                                               |
| net weight                                                     | 8.4 g                                                                |
| Operating life                                                 | 30,000 cycles                                                        |
| B10                                                            | 40,000 cycles                                                        |
| Degree of protection, front side,<br>according to DIN EN 60529 | IP65                                                                 |
| Environment resistance                                         | IEC 60068-2-14<br>IEC 60068-2-30<br>IEC 60068-2-33<br>IEC 60068-2-78 |
| MOQ order                                                      | 10 pcs.                                                              |
| RoHS compliant                                                 | Yes                                                                  |
| REACH compliant                                                | Yes                                                                  |
| <b>&gt; mounting diameters</b>                                 |                                                                      |
| Mounting hole                                                  | 16.2 mm                                                              |
| Mounting depth                                                 | 44.7 mm                                                              |
| Installation height                                            | 17.1 mm                                                              |
| Grid, min.                                                     | 25 x 25 mm                                                           |
| Outside dimension, length                                      | 24.95 mm                                                             |
| Outside dimension, width                                       | 24.95 mm                                                             |
| Outside dimension, height                                      | 36.3 mm                                                              |
| Collar dimension                                               | 24,95 x 24,95 mm                                                     |
| <b>&gt; mechanical data</b>                                    |                                                                      |
| Actuation function                                             | latching                                                             |
| Operating torque, max.                                         | 1.3 Nm                                                               |
| Rotating angle                                                 | 1 x 90°, shape V                                                     |
| Fixing                                                         | Threaded ring                                                        |
| Threaded ring torque, max.                                     | 1.2 Nm                                                               |

## drawings

### Dimensioned drawing



### Mounting hole drawing

