## 1.30.096.171/0000



# RAFIX 16 F, keylock switch, round collar, 1 x 90°, shape V, latching



#### fields of application

- > Measurement-control-regulation
- Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction

#### special features

- > 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
- > 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: screw connection, plug-in connection, PCB plug-in socket
- > The switching elements are snapped on and can be removed again by turning.







# description

The locking systems we use were created according to the DIN EN 1303 standard by well-known lock manufacturers. They are open, mechanical systems which, depending on the environmental conditions, require occasional maintenance (e.g. greasing & oiling) by the machine or system operator.

RAFIX control units are modular units consisting of several parts. In the RAFIX 16 product family, these always consist of an actuating element and a switching element. Actuating elements (such as key switches) have the specified tactility, reset and function only when assembled with the appropriate switching elements.

With RAFIX 16 actuating elements, you can choose between three collar shapes: round, square or square side-by-side, in which 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

Scope of delivery 2 keys Bezel color black

Property of bezel / mushroom opaque Collar color metallic silver

Collar shape round -25 °C Operating temperature, min.

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. date: Aug 31, 2024 page: 1/3

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Operating temperature, max. 70 °C
Storage temperature, min. -40 °C
Storage temperature, max. 85 °C
illuminated No
Packaging Box
Packaging unit 10 pcs.
net weight 30.7 g

Operating life 65,000 cycles B10 84,500 cycles

Degree of protection, front side, according to DIN EN 60529

Environment resistance IEC 60068-2-14

IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78

IP65

MOQ order 10 pcs.

RoHS compliant Yes

REACH compliant Yes

#### > mounting diameters

Outside dimension, length 28 mm Outside dimension, width 28 mm Outside dimension, height 48.4 mm Mounting hole 22.3 mm Mounting depth 50 mm Installation height 24.1 mm Grid, min. 30 x 30 mm Collar dimension ø 28 mm

### > mechanical data

Actuation function latching

Operating torque, max. 1.3 Nm

Locking position

Key lock Micromec

Rotating angle  $1 \times 90^{\circ}$ , shape V Fixing Threaded ring

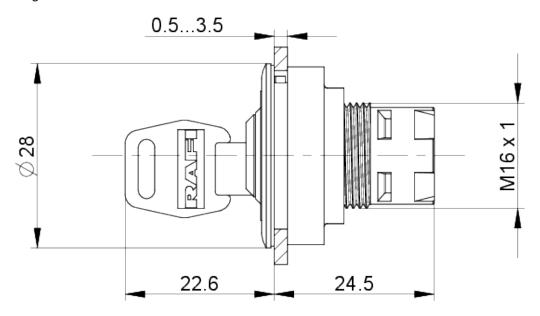
Threaded ring torque, max. 1.2 Nm

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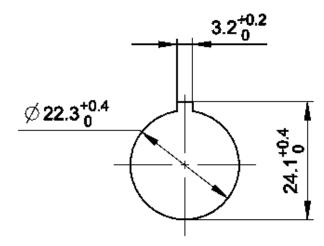


# drawings

### **Dimensioned drawing**



### Mounting hole drawing



acc. to IEC 60947-5-1