

# RAFIX 16, keylock switch, round collar, 1 x 90°, shape L, latching, key removal position 0



# fields of application

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

## special features

- Key switch in various rotation angle variants and key trigger positions
- 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-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.

#### RAFI GmbH & Co. KG

Ravensburger Str. 128-134 88276 Berg / Ravensburg Germany www.rafi-group.com, info.headquarters@rafi-group.com technical data sheet

# 1.30.076.021/0000

# technical data



> general		
Scope of delivery	2 keys	direct links
Collar shape	round	> 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	Вох	
Packaging unit	2 pcs.	
net weight	16.1 g	
Operating life	65,000 cycles	
Degree of protection, front side, according to DIN EN 60529	IP65	
Environment resistance	IEC 60068-2-14	
	IEC 60068-2-30	
	IEC 60068-2-33	
	IEC 60068-2-78	
Protection class	II	
MOQ order	6 pcs.	
RoHS compliant	Yes	
REACH compliant	Yes	
> mounting diameters		
Outside dimension, length	24.95 mm	
Outside dimension, width	24.95 mm	
Outside dimension, height	47.15 mm	
Mounting hole	16.2 mm	
Mounting depth	44.7 mm	
Installation height	27.95 mm	
Grid, min.	25 x 25 mm	
Collar dimension	ø 24,95 mm	
> mechanical data		
Actuation function	latching	
Operating torque, max.	1.3 Nm	
Locking position	1	
Number of locking positions	500	
Key removal position	0	
Rotating angle	1 x 90°, shape L	
Fixing	Threaded ring	
Threaded ring torque, max.	1.2 Nm	

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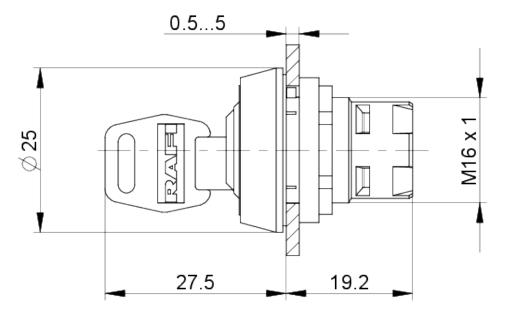
## technical data sheet

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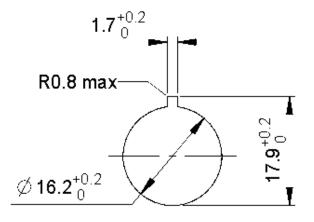


# drawings

## **Dimensioned drawing**



# Mounting hole drawing



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