

# RAFIX 22 FS<sup>+</sup>, compact keylock switch, round collar, frontring metallic silver, 1 x 90°, shape L, latching, key removal position 0+1



# fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction
- > Handheld terminals
- Industrial robots

#### special features

- > Key switch with low installation height
- Low installation depth 9.2 mm (PCB) or 27 mm (QC)
- Connection types: printed circuit board connection (PCB) or plug-in connection (QC)
- PCB switching elements minimize mounting errors
- Switching elements with silver contacts (max. 250 V/4 A) or gold contacts (max. 35 V/100 mA)
- Design adaptation through different front ring variations
- > Degree of protection: IP 65 at the front
- > Two collar shapes: round and square



# description

RAFIX control devices are defined at RAFI as modular elements, consisting of an actuating element, if necessary a coupling and an individual contact or lighting unit.

Actuating elements (such as pushbuttons, emergency stop actuators, etc.) have the intended tactility, reset and function only when assembled with the appropriate switching elements.

The locking systems we use have been created by reputable lock manufacturers in accordance with the DIN EN 1303 standard. They are open, mechanical systems that require occasional maintenance by the operator depending on the ambient conditions.

Further locking positions or functions are available on request.

# technical data

>	general
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Disassembly possible no	
Scope of delivery 2 keys	
Front ring color metallic silve	er
Collar shape round	
Operating temperature, min25 °C	
Operating temperature, max. 70 °C	

#### direct links

> RAFI eCatalog

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# 1.30.275.224/0000



	Storage temperature, min.	-40 °C
	Storage temperature, max.	80 °C
	illuminated	No
	Packaging	Box
	Packaging unit	2 pcs.
	net weight	39.6 g
	Operating life	50,000 cycles
	B10	65,000 cycles
	Degree of protection, front side,	IP65
	according to DIN EN 60529	
	UL Enclosure Type Rating front	type 1
	side	type 4X indoor
	Environment resistance	IEC 60068-2-14
		IEC 60068-2-30
		IEC 60068-2-33
		IEC 60068-2-78
	Salt-spray resistance according to	IEC 60068-2-11
	standard	20
	MOQ order	20 pcs.
	RoHS compliant	Yes
、	REACH compliant	Yes Yes
>	REACH compliant mounting diameters	Yes
>	REACH compliant <b>mounting diameters</b> Outside dimension, length	Yes 29.8 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width	Yes 29.8 mm 29.8 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height	Yes 29.8 mm 29.8 mm 28.6 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min.	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm
	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm
>	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b>	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm ø 29,8 mm
	REACH compliant <b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b> Actuation function	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 30 x 30 mm ø 29,8 mm latching
	REACH compliant mounting diameters Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max.	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 30 x 30 mm Ø 29,8 mm latching 1.3 Nm
	REACH compliant mounting diameters Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm ø 29,8 mm latching 1.3 Nm 002
	REACH compliant mounting diameters Outside dimension, length Outside dimension, width Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position Key removal position	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm ø 29,8 mm latching 1.3 Nm 002 0+1
	REACH compliant mounting diameters Outside dimension, length Outside dimension, width Outside dimension, weight Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position Key removal position Rotating angle	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm ø 29,8 mm latching 1.3 Nm 002 0+1 1 x 90°, shape L
	REACH compliant mounting diameters Outside dimension, length Outside dimension, width Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position Key removal position	Yes 29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm ø 29,8 mm latching 1.3 Nm 002 0+1

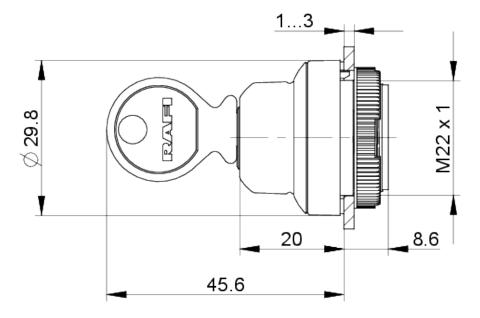
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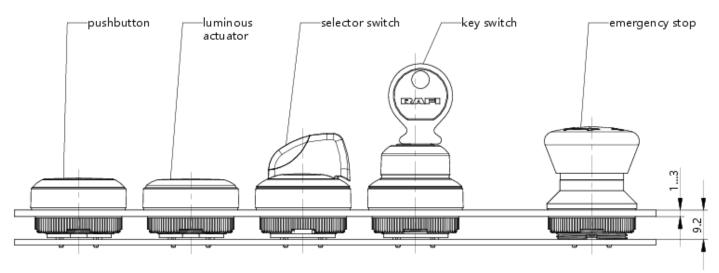


# drawings

### **Dimensioned drawing**



## System drawing



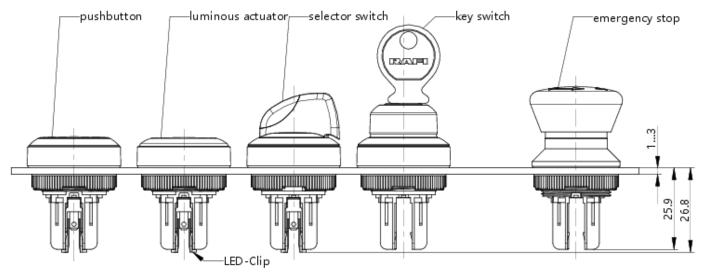
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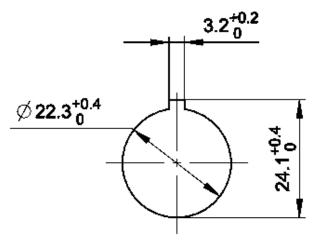




### System drawing



Mounting hole drawing



acc. to IEC 60947-5-1

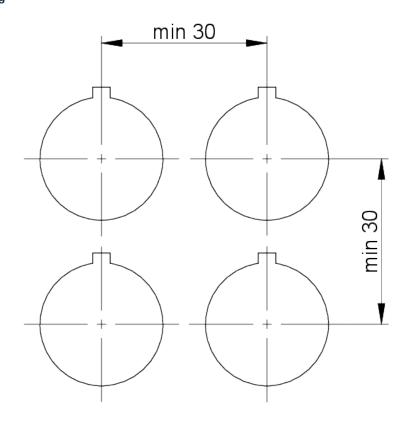
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#### front panel drawing



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