

# RAFIX 22 FS<sup>+</sup>, compact keylock switch, square collar, frontring metallic silver, 1 x 90°, 1 x 40°, momentary contact function / latching, key removal position 0



### 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				
Scope of delivery	2 keys	> RAFI eCatalog		
Front ring color	metallic silver			
Collar shape	square			
Operating temperature, min.	-25 °C			

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**: Jan 23, 2025 **page**: 1/5

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	Operating temperature, max.	70 °C	
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	80 °C	
	illuminated	No	
	Packaging	Box	
	Packaging unit	2 pcs.	
	Operating life	50,000 cycles	
	B10	65,000 cycles	
	Degree of protection, front side, according to DIN EN 60529	IP65	
	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 standard	IEC 60068-2-11	
	MOQ order	10 pcs.	
	RoHS compliant	Yes	
	REACH compliant	Yes	
>	mounting diameters		
	Outside dimension, length	29.8 mm	
	Outside dimension, width	29.8 mm	
	Mounting hole	22.3 mm	
	Mounting depth	9.2 mm	
	Installation height	20 mm	
	Grid, min.	30 x 30 mm	
	Collar dimension	29,8 x 29,8 mm	
>	mechanical data		
	Actuation function	momentary contact function / latching	
	Operating torque, max.	1.3 Nm	
	Locking position	001	
	Key removal position	0	
	Rotating angle	1 × 90°, 1 × 40°	
	Fixing	Threaded ring	
	Threaded ring torque, max.	1.2 Nm	

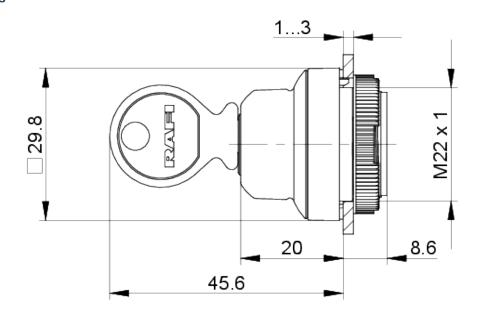
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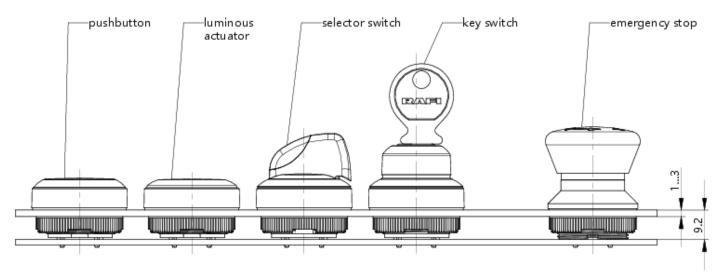


## drawings

#### **Dimensioned drawing**



#### System drawing



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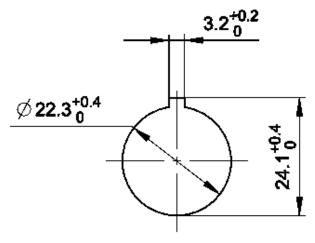
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#### System drawing



#### Mounting hole drawing



acc. to IEC 60947-5-1

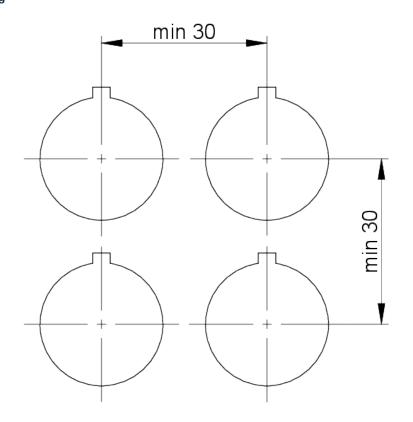
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#### front panel drawing



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