

# RAFIX 22 FS<sup>+</sup>, compact keylock switch, round collar, frontring slate gray, 1 x 90°, shape V, 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	slate gray
Collar shape	round
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C

#### direct links

> RAFI eCatalog

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# 1.30.275.323/0700



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 standard	IEC 60068-2-11
MOQ order	10 pcs.
	Yes
RoHS compliant	Tes
REACH compliant	Voo
REACH compliant	Yes
mounting diameters	
<b>mounting diameters</b> Outside dimension, length	29.8 mm
<b>mounting diameters</b> Outside dimension, length Outside dimension, width	29.8 mm 29.8 mm
<b>mounting diameters</b> Outside dimension, length Outside dimension, width Outside dimension, height	29.8 mm 29.8 mm 28.6 mm
mounting diameters Outside dimension, length Outside dimension, width Outside dimension, height Mounting hole	29.8 mm 29.8 mm 28.6 mm 22.3 mm
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> </ul>	29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> </ul>	29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> </ul>	29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm 30 x 30 mm
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> <li>Collar dimension</li> </ul>	29.8 mm 29.8 mm 28.6 mm 22.3 mm 9.2 mm 20 mm
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> <li>Collar dimension</li> <li>mechanical data</li> </ul>	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
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<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> <li>Collar dimension</li> <li>mechanical data</li> <li>Actuation function</li> <li>Operating torque, max.</li> <li>Locking position</li> </ul>	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
<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> <li>Collar dimension</li> <li>mechanical data</li> <li>Actuation function</li> <li>Operating torque, max.</li> <li>Locking position</li> <li>Key removal position</li> </ul>	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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<ul> <li>mounting diameters</li> <li>Outside dimension, length</li> <li>Outside dimension, width</li> <li>Outside dimension, height</li> <li>Mounting hole</li> <li>Mounting depth</li> <li>Installation height</li> <li>Grid, min.</li> <li>Collar dimension</li> <li>mechanical data</li> <li>Actuation function</li> <li>Operating torque, max.</li> <li>Locking position</li> <li>Key removal position</li> </ul>	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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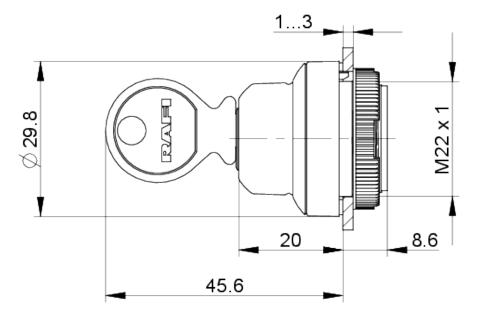
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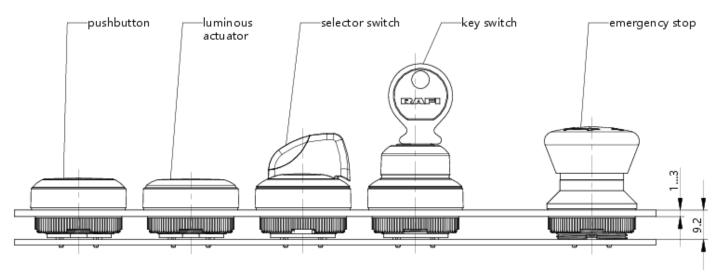


# drawings

### **Dimensioned drawing**



### System drawing



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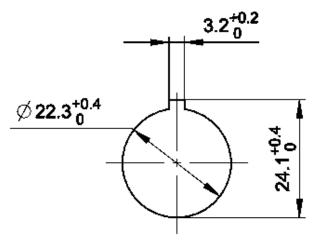




### System drawing



Mounting hole drawing



acc. to IEC 60947-5-1

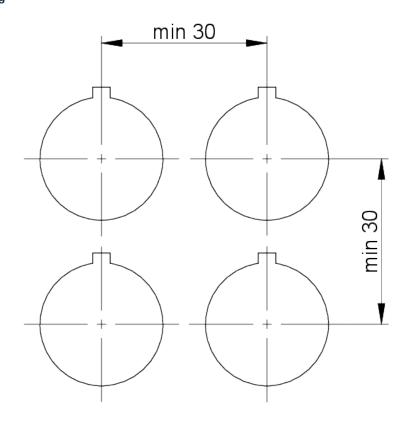
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#### front panel drawing



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