

# RAFIX 22 FS<sup>+</sup>, illuminated selector switch, square collar, frontring metallic silver, 2 x 40°, momentary contact function, illuminable



## fields of application

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

#### special features

- Illumination of the rotary handle marking with SMT LED
- Colored illumination with colored LEDs possible
- 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 translucent handle marking can be illuminated if combined with a corresponding switching element.

For colored illumination of the handle marking, please use colored LEDs.

## technical data

date: May 20, 2024 page: 1/5

>	general
---	---------

<b>J</b> • • •	
Disassembly possible	no
Front ring color	metallic silver
Collar shape	square
Operating temperature, min.	-25 °C

purposes may infringe the rights of the respective entity holding those rights.

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

direct links

> RAFI eCatalog

RAFI GmbH & Co. KG





	Operating temperature, max.	70 °C
	Storage temperature, min.	-40 °C
	Storage temperature, max.	-40 °C
	illuminated	Yes
	Packaging	Box
	Packaging unit	10 pcs.
	net weight	10.5 g
	Operating life	500,000 cycles
	B10	650,000 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, length Outside dimension, width	29.8 mm 29.8 mm
	Outside dimension, width	29.8 mm
	Outside dimension, width Outside dimension, height	29.8 mm 32.4 mm
	Outside dimension, width Outside dimension, height Mounting hole	29.8 mm 32.4 mm 22.3 mm
	Outside dimension, width Outside dimension, height Mounting hole Mounting depth	29.8 mm 32.4 mm 22.3 mm 9.2 mm
	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min.	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b>	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm 29,8 x 29,8 mm
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b> Actuation function	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm 29,8 x 29,8 mm momentary contact function
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b> Actuation function Operating torque, max.	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm 29,8 x 29,8 mm momentary contact function 1.5 Nm
>	Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension <b>mechanical data</b> Actuation function Operating torque, max. Rotating angle	29.8 mm 32.4 mm 22.3 mm 9.2 mm 22.24 mm 30 x 30 mm 29,8 x 29,8 mm momentary contact function 1.5 Nm 2 x 40°

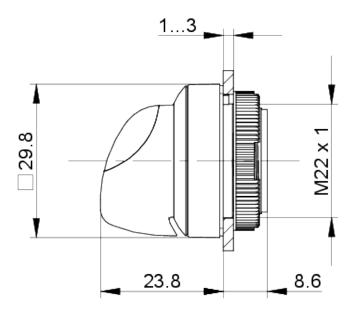
#### RAFI GmbH & Co. KG



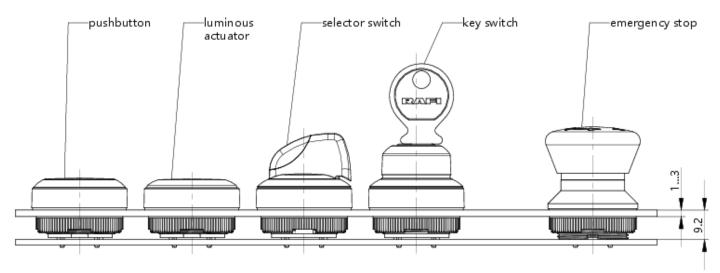


# drawings

### **Dimensioned drawing**



## System drawing



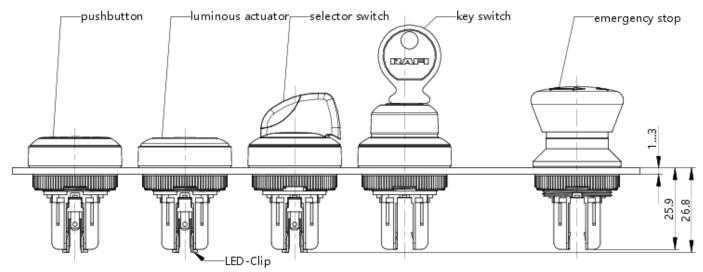
The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products 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**: May 20, 2024 **page**: 3/5

#### RAFI GmbH & Co. KG

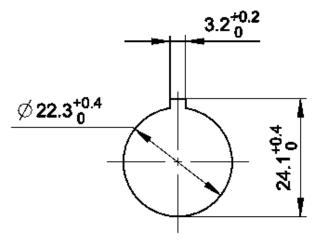
1.30.272.077/2200



### System drawing



#### Mounting hole drawing



acc. to IEC 60947-5-1

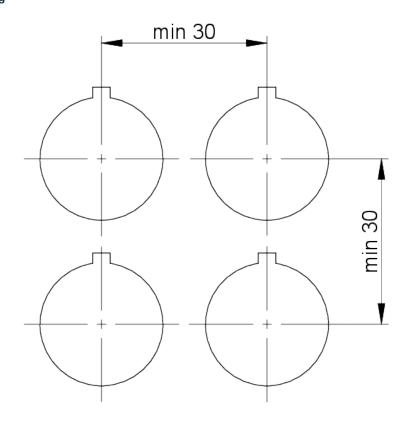
The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products 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**: May 20, 2024 **page**: 4/5

#### RAFI GmbH & Co. KG





#### front panel drawing



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**: May 20, 2024 **page**: 5/5

#### RAFI GmbH & Co. KG