

# RAFIX 22 FS<sup>+</sup>, illuminated pushbutton with protective cap, round collar, momentary contact function, frontring light gray, bezel green



### fields of application

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

#### special features

- > Leuchtdrucktaster mit Schutzkappe
- Die Schutzkappe verstärkt den Schutz gegen Flüssigkeiten, Schmutz und Spähne.
- Geringe Einbautiefe 9,2 mm (PCB) bzw. 27 mm (QC)
- > Ideal für die Bedienung mit Handschuhen
- Anschlussarten: Leiterplattenanschluss (PCB) oder Steckanschluss (QC)
- Die PCB-Schaltelemente minimieren Montagefehler
- Schaltelemente mit Silberkontakten (max. 250 V/4 A) oder Goldkontakten (max. 35 V/100 mA)
- Durch den Kurzhubadapter können MICON 5 Kurzhubtaster als Schaltelement verwendet werden
- Design-Anpassung durch zwei verschiedene Frontring-Variationen
- > Schutzgrad: IP 65 frontseitig
- > Zwei Bundformen: rund und quadratisch
- > Beleuchtung der Blende mit SMT-LED



## 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.

Illuminated pushbutton, with protective cap for use in more difficult environmental conditions.

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**: Sep 25, 2023 **page**: 1/5

#### RAFI GmbH & Co. KG

technical data sheet

# 1.30.270.005/2508

# technical data

# >



>	general		
	Disassembly possible	no	direct links
	Bezel color	green	RAFI eCatalog
	Property of bezel / mushroom	translucent	
	Front ring color	light gray	
	Collar shape	round	
	Operating temperature, min.	-25 °C	
	Operating temperature, max.	70 °C	
	Storage temperature, min.	-40 °C	
	Storage temperature, max.	80 °C	
	illuminated	Yes	
	Packaging	Box	
	Packaging unit	10 pcs.	
	net weight	6.8 g	
	Operating life	1,000,000 cycles	
	B10	1,300,000 cycles	
	Degree of protection, front side, according to DIN EN 60529	IP65	
	Degree of protection, front side, according to ISO 20653	IP6K9K at 23°C water temperature	
	UL Enclosure Type Rating front	type 1	
	side	type 4X	
	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	100 pcs.	
	RoHS compliant	Yes	
	REACH compliant	Yes	
>	mounting diameters		
	Outside dimension, length	29.8 mm	
	Outside dimension, width	29.8 mm	
	Outside dimension, height	20.7 mm	
	Mounting hole	22.3 mm	
	Mounting depth	9.2 mm	
	Installation height	9.85 mm	
	Grid, min.	30 x 30 mm	
	Collar dimension	ø 29,8 mm	
>	mechanical data		
	Actuation function	momentary contact function	
	Operating force, max.	100 N	
	Operating travel, max.	4 mm	

Fixing Threaded ring

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**: Sep 25, 2023 **page**: 2/5

#### RAFI GmbH & Co. KG





Threaded ring torque, max.

1.2 Nm

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**: Sep 25, 2023 **page**: 3/5

#### RAFI GmbH & Co. KG

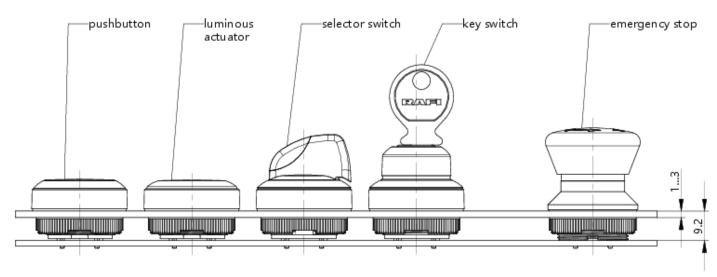
#### technical data sheet

# 1.30.270.005/2508

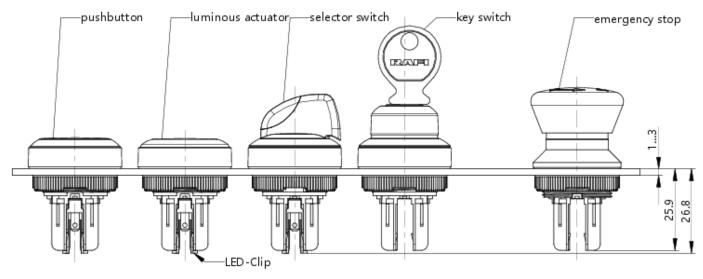


# drawings

#### System 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**: Sep 25, 2023 **page**: 4/5

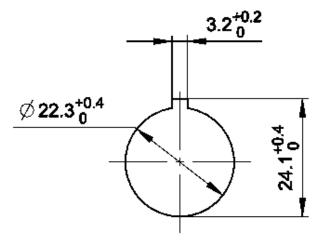
#### RAFI GmbH & Co. KG

technical data sheet



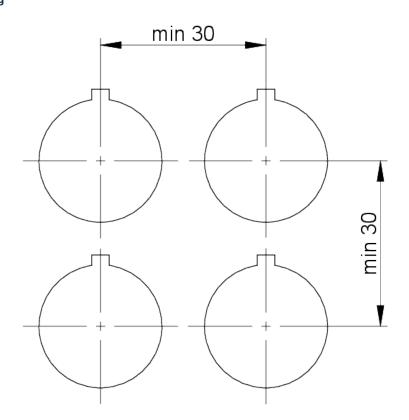


#### Mounting hole drawing



acc. to IEC 60947-5-1

#### front panel drawing



#### RAFI GmbH & Co. KG