

RAFIX 22 FS⁺, 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**: Dec 23, 2024 **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	Вох	
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 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	
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**: Dec 23, 2024 **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**: Dec 23, 2024 **page**: 3/5

RAFI GmbH & Co. KG

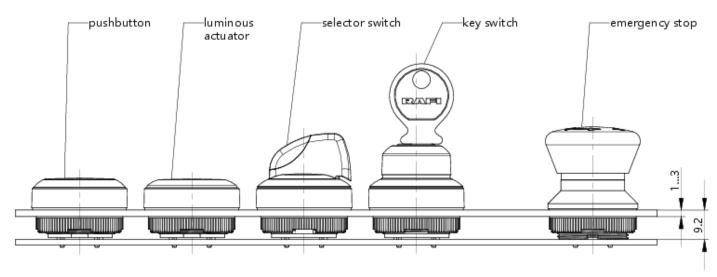
technical data sheet

1.30.270.005/2508

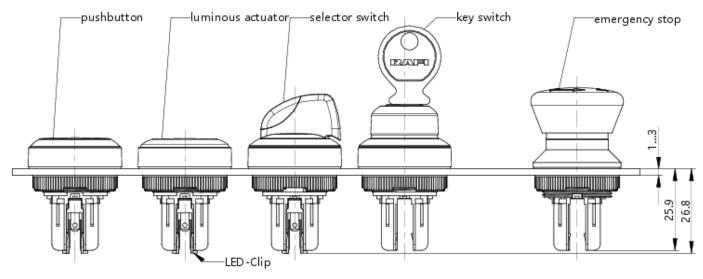


drawings

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**: Dec 23, 2024 **page**: 4/5

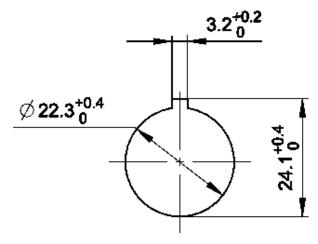
RAFI GmbH & Co. KG

technical data sheet



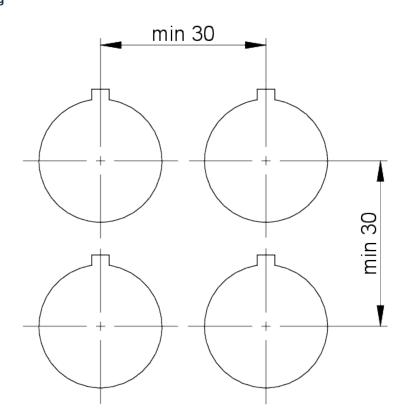


Mounting hole drawing



acc. to IEC 60947-5-1

front panel drawing



RAFI GmbH & Co. KG