

RAFIX 22 FS⁺, emergency stop Plus 1, reset by pulling



fields of application

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



description

RAFIX control components are defined by RAFI as modular elements, including of actuator element, coupling if necessary and individual contact or lighting element.

Actuators (such as pushbuttons, emergency-stop pushbuttons, etc.) have the specified tactility, reset and general function only in combination with the appropriate contact elements.

This special emergency stop button not only has two redundant normally-closed contacts for the emergency stop function, but also a signaling contact. Unique: 3 contacts with the compact dimensions (mounting depth 9.2 or 27 mm) 2 normally-closed contacts
Redundancy is increasingly required for safety applications in machine and control construction and helps to minimize the probability of a component failing. 1 signaling contact

The signaling contact is a normally-open contact and can be used, for example, to send information to a surveillance monitor or security master. The safety control can then initiate controlled shut-down, depending on the location and type of hazard. The signaling contact only provides pulses, and is not intended to be a permanent contact. The emergency stop button meets current standards. Thanks to a forcibly actuated mechanical motion sequence, it is dupe-proof in accordance with DIN EN ISO 13850. RAFIX 22 FS+ emergency stop "Plus 1" consists of a special emergency stop button and a corresponding emergency stop switching element, which can either be mounted directly (quick-connect terminal) or positioned on a PCB (THT terminal).

Note: Only use with emergency stop "Plus 1" switching element.

technical data

> general

illuminated	No
Bezel color	red
Collar shape	round
Operating temperature, min.	-25 °C
Operating temperature, max.	70 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	80 °C
Packaging	Box
Packaging unit	2 pcs.
net weight	17.3 g
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
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 side	type 1 type 4X
Salt-spray resistance according to standard	IEC 60068-2-11
RoHS compliant	Yes
REACH compliant	Yes
Demontage möglich	No
Degree of protection, front side, according to ISO 20653	IP6K9K

> mounting diameters

Mounting hole	22.3 mm
Mounting depth	9.2 mm
Installation height	33.2 mm
Outside dimension, length	29.8 mm
Outside dimension, width	29.8 mm
Outside dimension, height	42.1 mm
Collar dimension	ø 29,8 mm

> mechanical data

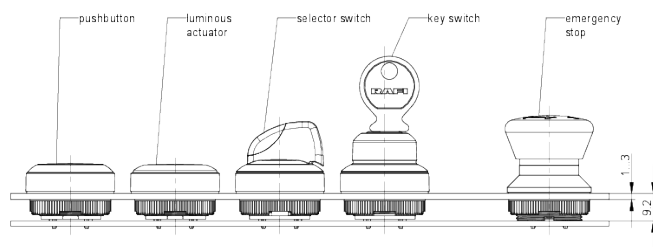
Actuation function	latching
Operating force, max.	100 N
Resetting	by pulling
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm

direct links

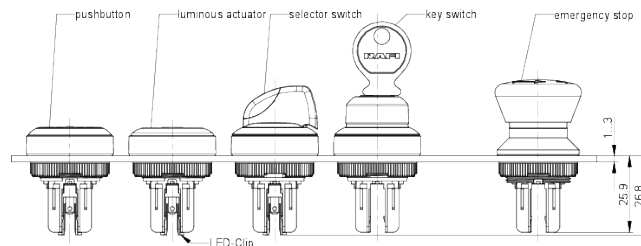
> [RAFI eCatalog](#)

drawings

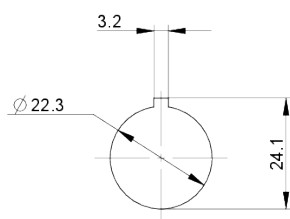
System drawing



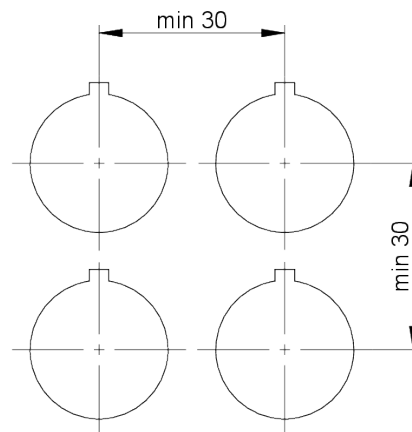
System drawing



Mounting hole drawing



front panel drawing



RAFIX 16, RAFX 22 FS⁺, RAFX 22 FSR, RAFX 22 QR

Mode d'emploi auxiliaires de commande
d'ARRÊT D'URGENCE (Traduction original)

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(F) Tableau 3.1 Pour les autres caractéristiques techniques, voir catalogue.

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