RAFIX 22 FS⁺, FLEXLAB illuminated pushbutton, square collar, latching, frontring black

fields of application

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

special features

> Illuminated pushbutton with FLEXLAB technology for easy marking of the bezel
> Illumination of the bezel with SMT LED
> Low installation depth 9.2 mm (PCB) or 27 mm (QC)
> Special tactile feedback
> Ideal for operation with gloves
> Connection types: printed circuit board connection (PCB) or plug-in connection (QC)
> PCB switching elements minimize assembly errors
> Switching elements with silver contacts (max. 250 V/4 A) or gold contacts (max. 35 V/100 mA)
> The tactile switch adapter allows MICON 5 tactile switches to be used as switching elements
> Various actuating and indicating elements with different variants
> 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.

Pushbutton with translucent bezel. In combination with a corresponding switching element, the bezel can be fully illuminated.

The RAFIX FS+ FLEXLAB pushbutton gives the user the opportunity to individually label control components. Standard legending is offered for this. Alternatively, we offer a DIN A4 labelling sheet complete with pre-punched labels that can be printed using commercially available office laser printers. After printing, the legend inserts can be removed from the sheet and then inserted into the colour bezel with the help of the fine retaining lugs.

technical data

> **general**

Disassembly possible	no
Front ring color	black
Collar shape	square
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	7.8 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 side	type 1 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**

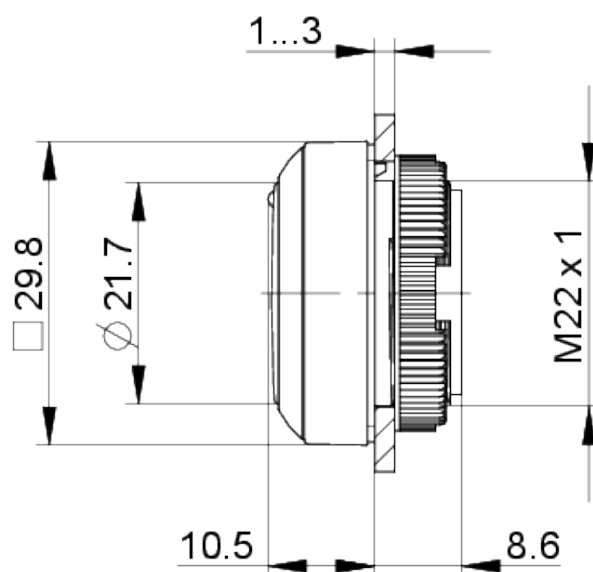|	
Outside dimension, length	29.8 mm
Outside dimension, width	29.8 mm
Outside dimension, height	18.5 mm
Mounting hole	22.3 mm
Mounting depth	9.2 mm
Installation height	9.85 mm
Grid, min.	30 x 30 mm
Collar dimension	29,8 x 29,8 mm

> **mechanical data**

Actuation function	latching
Operating force, max.	100 N
Operating travel, max.	4 mm
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm

drawings

Dimensioned drawing

System drawing

pushbutton · luminous actuator · selector switch · key switch · emergency stop

System drawing

pushbutton · luminous actuator · selector switch · key switch · emergency stop

LED-Clip

1...3
25.9
26.8

Mounting hole drawing

$3.2^{+0.2}_{0}$

$\varnothing\ 22.3^{+0.4}_{0}$

$24.1^{+0.4}_{0}$

acc. to IEC 60947-5-1

front panel drawing

min 30

min 30