

## RAFIX 22 FSR

### WHEN THE GOING GETS TOUGH

Harsh weather conditions. Dirt and dust are swirling around, and the sun is beating down mercilessly. It's critical to keep pushing ahead – fast. A dirty glove dripping with lubricants pounds a key vigorously, and work goes on!

The cloud cover is increasing, it's raining, the temperature drops below the freezing point and it starts sleeting. Ice crystals stick to the operating elements, but the machinery keeps on running. Dust, dirt, lubricants, moisture, heat and

cold: Close to the limit, solutions are required which are extremely rugged, hard-wearing and tough-natured. RAFIX 22 FSR has taken on this challenge. Under the most adverse conditions, these actuators and contact blocks demonstrate their strengths: ruggedness and know-how based on proven FS technology. A series specifically developed for outdoor applications, RAFIX FSR withstands extreme conditions – with no ifs, ands or buts.



### Close to the limit

Extremely rugged and economically unbeatable! RAFIX 22 FSR features proven FS technology and a rugged design. The contact blocks have a low mounting depth, which saves an enormous amount of space and enables fast installation. The pushbuttons and actuators ensure quick orientation along with a highly distinctive design thanks to their individually combinable colors and shapes.

### The top performer

**Dirt:** No matter whether it is exposed to industrial lubricants or soiling which occurs naturally during outdoor use – the series is extremely resistant and delivers what it promises.

**Rugged:** The actuator mechanism is not affected even by harsh conditions and severe external impacts.

**Climate:** Intense sunlight, heavy rain, hail or snow – RAFIX 22 FSR easily withstands adverse weather conditions.

**Moisture:** Waterproof actuators (IP65 and IP69K) ensure dependable operation.

### SLIM

- Designs with PCB contact blocks feature a distance between the front panel and printed circuit board of only 9.2 mm.
- With QC contact blocks, only 27 mm of space is needed behind the front panel.

### Combinable with all contact blocks and accessories with RAFIX FS technology

- PCB or QC contact blocks
- Gold contacts from 5 V or silver contacts up to 250 V
- Short-travel adapter enables short-travel actuation (1 mm switching travel) with perceptible key click
- Variable illumination, compatible with 3 mm THT LEDs / SMT LEDs or LED clip



# CONTROL COMPONENTS

RAFIX 22 FSR CONTROL COMPONENTS

## RAFIX 22 FSR

The RAFIX 22 FSR series has a variety of actuators and signal indicators

### Pushbuttons

- Illuminable
- With protective cap

### Emergency stop

- Unlocked by pulling
- Illuminated (optional)
- Metal version (optional)

### Selector switches

- Rotating angle 40°, 60° or 90°
- Latching or momentary
- Illuminable

### Keylock switches

- Rotating angle 40° or 90°
- Latching or momentary
- With protective cap

### Signal indicators

- Green, yellow, red, blue or white

### Approvals

- IEC 60947-5-1/5
- UL
- CCC

### Safe and reliable

The actuators in the RAFIX 22 FSR series ensure a degree of protection to at least IP65 (DIN EN 60529), IP69K (ISO 20653), which makes them suitable for many diverse applications.

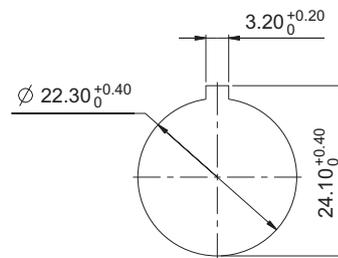
### Long operating life

The mechanical design of all actuators is optimally suited for long-lasting operation even in heavily used panels.

### Mounting hole

The actuators in the RAFIX 22 FSR series are suitable for 22.3 mm panel cut-outs according to IEC 60947-5-1.

All actuators are equipped with a locating pip. This locating pip ensures a perfect fit for actuators and contact blocks with PCB-mounted components and is therefore essential for designs including these contact blocks.



### Grid spacing

The design principle makes it possible to use a minimum grid spacing of 35 mm x 35 mm.

When choosing the grid spacing, it is recommended to consider any external legending required (for example, using label strips inserted into the front panel).

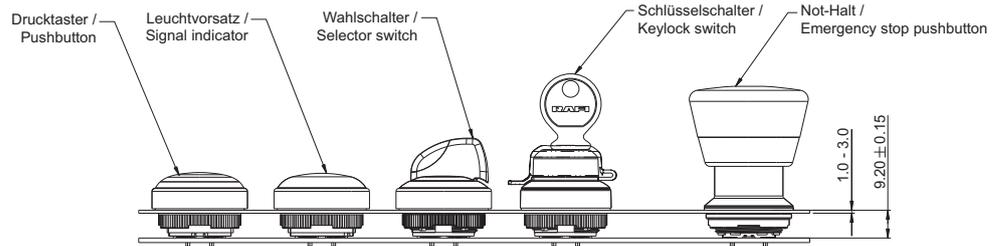


2

RAFIX  
22 FSR

### RAFIX 22 FSR

#### RAFIX 22 FSR with PCB contact block



For printed circuit board hole patterns, see RAFIX 22 FS-Technology contact blocks

<p>Formula for spacer length</p> $9.2 \text{ mm} - \text{Front panel thickness} = \text{Length of spacer}$
--

#### RAFIX 22 FSR with QC contact block

