德国RAFI开关官方网站RAFIX 耐油开关

进口耐高温按键开关 22mm耐低温按钮开关选型说明书pdf样本资料

When the going gets tough, the tough get going!

上海RAFI急停开关山东省青岛0532-58808751 yxauto@126.com

QQ:1129700750 www.yusungs.com

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资料

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RAFIX

WHEN THE GOING GETS TOUGH.

Harsh weather conditions. Dirt and dust are Dust, dirt, lubricants, moisture, heat, and cold: orously, and work goes on!

The cloud cover is increasing, it's raining, the temperature drops below the freezing point and elements, but the machinery keeps on running.

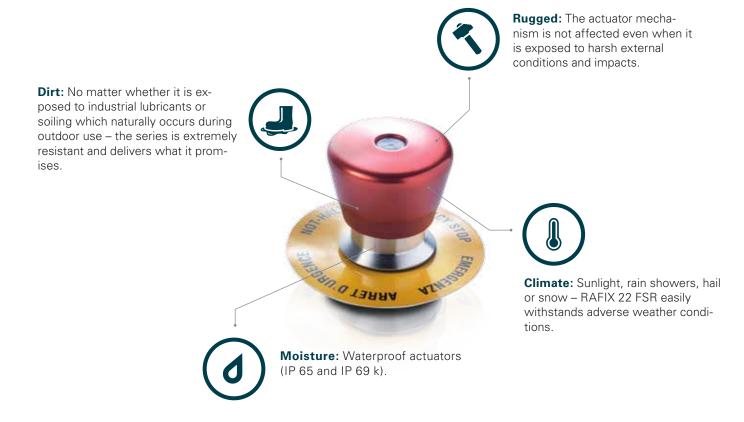
swirling around, and the sun is beating down close to the limit, solutions are required which mercilessly. It is time to get going - fast. A glove are extremely rugged, hard-wearing, and tough. dripping with oil and lubricants pounds a key vig- RAFIX 22 FSR has taken on this challenge. Under the most adverse conditions, actuators and contact blocks reveal their advantages: ruggedness and know-how based on proven FS technology. A series specifically developed for outdoor appliit starts sleeting. Ice crystals stick to the control cations, RAFIX FSR withstands external impacts - with no ifs, ands, or buts.



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THE LIMIT THE BEST PERFORMER.

Extremely rugged and economically unbeatable! RAFIX 22 FSR features proven FS technology and a rugged design. The control components have a low mounting depth which saves a lot of space and enables fast installation. Pushbuttons and actuators provide for quick orientation and a clearly distinctive design thanks to their individually combinable colors and shapes.



Creative freedom in design and illumination: diverse actuators, various lens colors and use of THT or SMT LEDs.



into system solutions. The RAFIX 22 FS+ contact blocks are arranged with other components on one common printed circuit board, thereby saving space, effort and material.

depth of 9.2 mm.



QC contact blocks: If the use of printed circuit boards is economically inefficient, QC contact blocks with quick-connect terminals and, if required, LED clips are used. The contact blocks are plugged quickly and easily into the actuators from behind and lock firmly into place, without the use of any additional devices or special tools. Connection is made with "Quick Connect" flat plugs.

Low mounting depth: The QC contact blocks are also extremely compact. Mounting depth only 27 mm behind the front plate.

PRELIMINARY SPECIFICATIONS

CONTROL COMPONENTS

ACTUATION COMPONENTS

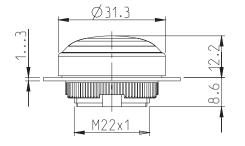


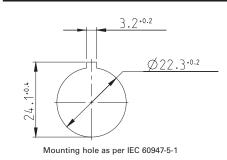
RAFIX 22 FSR Pushbutton

→ The RAFIX 22 FSR pushbutton is equipped with a protective cap. The pushbutton is resistant to external impacts and offers a degree of protection to IP 65 and/or IP 69 k as per IEC 60529, which means protection against the ingress of water when highly pressurized water/steam jet cleaners are used at a pressure of 80 – 100 bar.

Technical properties

lounting depth	PCB 9.2 mm, QC 27 mm	
Mounting hole	22.3 mm	
Pushbutton grid	35 x 35 mm	
Mechanical design		
Fixing	Threaded rings	
Contact function	momentary	
Illuminated	See ordering table	
Further details		
Min. operating temperature	-40° C	
	-40° C +85° C	
Min. operating temperature		
Min. operating temperature Max. operating temperature	+85° C	
Min. operating temperature Max. operating temperature Protection type front	+85° C IP 65, IP 69 k	
Min. operating temperature Max. operating temperature Protection type front Environmental resistance	+85° C IP 65, IP 69k as per IEC 60068-2-14, -30, -33 and -78	





Approvals





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Illuminated	Lens color	Order number	
yes	translucent white	1.30.280.001/2201	
yes	translucent red	1.30.280.001/2301	
yes	translucent yellow	1.30.280.001/2401	
yes	translucent green	1.30.280.001/2501	
yes	translucent blue	1.30.280.001/2601	
no	opaque black	1.30.280.001/0101	

Legending and front rings in other colors on request

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CONTROL COMPONENTS

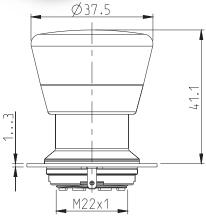
ACTUATION COMPONENTS

RAFIX 22 FSR Emergency stop pushbutton

→ The emergency stop pushbuttons comply with IEC 60 204, IEC 60 073, IEC 60 947, and VDE 0113 part 1. The positively guided mechanical movement of the pushbuttons makes them dupe-proof according to DIN EN ISO 13850. To prevent accidental actuation, the pushbutton has a pressure point which must be pressed first before the pushbutton snaps into place in the pressed position.

The emergency stop pushbutton is non-blocking thanks to the actuator's design. For example, an initiated emergency stop procedure cannot be interrupted by jammed objects. Use only with an emergency stop contact block.





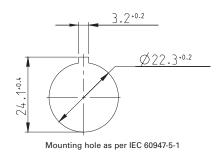
Technical properties

Installation dimensions

REACH compliant

Mounting depth	PCB 9.2 mm, QC 27 mm
Mounting hole	22.3 mm
Pushbutton grid	40 x 40 mm
Mechanical design	
Fixing	Metal threaded rings
Contact function	latching
Illuminated	See ordering table
Reset	by pulling
Torque for threaded ring	1.2 Nm
Further details	
Protection type front	IP 65, IP 69k
Min. operating temperature	-40° C
Max. operating temperature	+85° C
Environmental resistance	as per IEC 60068-2-14, -30, -33 and -78
Salt spray	IEC 600 68-2-11
ROHS compliant	yes

yes



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Emergency stop pushbutton, metal mushroom

→	Illuminated	Protection type front	Order number
	yes, window white	IP 65, IP 69k	1.30.283.111/0300
	no	IP 65, IP 69 k	1.30.283.611/0300

Emergency stop pushbutton, plastic mushroom

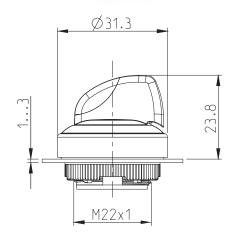
→	Illuminated	Protection type front	Order number	
	yes, window white	IP 65, IP 69k	1.30.283.101/0300	
	no	IP 65, IP 69k	1.30.283.601/0300	

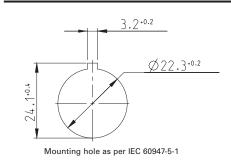
PRELIMINARY SPECIFICATIONS

CONTROL COMPONENTS

ACTUATION COMPONENTS







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→	Illuminated	Contact function	Rotating angles		Order number
	yes	momentary	1 x 40°		1.30.282.001/2201
	yes	momentary	2 x 40°	Ŷ	1.30.282.026/2201
	yes	latching	1 x 90°, L shape	0	1.30.282.101/2201
	yes	latching	1 x 90°, V shape		1.30.282.201/2201
	yes	latching	2 x 60°	2 0	1.30.282.301/2201

RAFIX 22 FSR Selector switch

→ The marks on the selector switch turning handle are translucent and can be illuminated if required. Colored LEDS or LED clips can be used for colored illuminations.

Technical properties

Installation dimensions			
Mounting depth	PCB 9.2 mm, QC 27 mm		
Mounting hole	22.3 mm		
Pushbutton grid	35 x 35 mm		
Mechanical design			
Fixing	Threaded rings		
Contact function	See ordering table		
Illuminated	yes		
Further details			
Protection type front	IP 65, IP 69 k		
	IP 65, IP 69 k -40° C		
Protection type front			
Protection type front Min. operating temperature	-40° C +85° C		
Protection type front Min. operating temperature Max. operating temperature	-40° C +85° C		
Protection type front Min. operating temperature Max. operating temperature Environmental resistance	-40° C +85° C as per IEC 60068-2-14, -30, -33 and -78		

CONTROL COMPONENTS

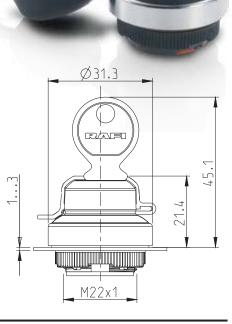
SIGNAL COMPONENTS

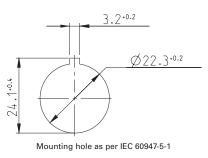
RAFIX 22 FSR Keylock switch

→ The RAFIX 22 FSR keylock switches are equipped with a plastic protective cap which guarantees a degree of protection to IP 65 and to IP 69 k when it is closed. Two keys respectively are included in the delivery.

Technical properties

Installation dimensions			
Overall height	45.1 mm		
Mounting depth	PCB 9.2 mm, QC 27 mm		
Mounting hole	22.3 mm		
Pushbutton grid	35 x 35 mm		
Mechanical design			
Fixing	Threaded rings		
Further details			
Protection type front	IP 65, IP 69k (when protective cap is closed		
Min. operating temperature	-40° C		
Max. operating temperature	+85° C		
Environmental resistance	as per IEC 60068-2-14, -30, -33 and -78		
Salt spray	IEC 600 68-2-11		
ROHS compliant	yes		
REACH compliant	Ves		





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Contact function	Rotating angles		Key removal position	Order number
momentary	1 x 40°	°	0	1.30.285.001/0100
momentary	2 x 40°	0	0	1.30.285.101/0100
latching	1 x 90°, L shape	0	0+1	1.30.285.221/0100
latching	1 x 90°, V shape	0 1	0+1	1.30.285.321/0100

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PRELIMINARY SPECIFICATIONS

CONTROL COMPONENTS

SIGNAL COMPONENTS



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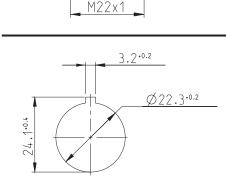
12.



→ The RAFIX 22 FSR lenses are designed for illumination with SMT or THT LEDs. They guarantee full area illumination.

Technical properties

Installation dimensions **→** Mounting depth PCB 9.2 mm, QC 27 mm Mounting hole 22.3 mm Pushbutton grid 35 x 35 mm Mechanical design **→** Threaded rings Fixing Illuminated yes **Further details** IP 65, IP 69 k Protection type front -40° C Min. operating temperature +85° C Max. operating temperature Environmental resistance as per IEC 60068-2-14, -30, -33 and -78 IEC 600 68-2-11 Salt spray **ROHS** compliant yes **REACH** compliant yes



Mounting hole as per IEC 60947-5-1

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preparation	

→	Illuminated	Lens color	Order number
	yes	translucent white	1.74.509.011/2200
	yes	translucent red	1.74.509.011/2300
	yes	translucent yellow	1.74.509.011/2400
	yes	translucent green	1.74.509.011/2500
	yes	translucent blue	1.74.509.011/2600

CONTROL COMPONENTS

CONTACT BLOCKS

RAFIX 22 FS⁺ PCB contact blocks

→ The PCB contact blocks are included in the PCB design and arranged next to other components. The contact blocks are located directly behind the actuators at a distance of only 9.2 mm behind the front panel. It is possible to choose from two alternative LED technologies for illuminated applications.

Technical properties

Mounting depth	9.2 mm
inounting doptin	0.2 11111
Mechanical design	
Contact material	Gold
Contacts	1 NC+1 NO, 2 NC, 2 NO
Electrical characteristics	
Electrical characteristics Min. AC/DC operating voltage	5 V
	5 V 35 V
Min. AC/DC operating voltage	
Min. AC/DC operating voltage Max. AC/DC operating voltage	35 V





For PCB contact blocks with silver contacts (max. 250 V / 2.5 A), PCB hole patterns, and order numbers, please refer to the RAFI main catalog/brochure "RAFIX 22 FS+" which can be downloaded at www.rafi.de.

RAFIX 22 FS⁺ QC contact blocks

→ The QC contact blocks are plugged into the actuators and lock firmly into place. Special contacts recognizable by their internal plungers are required for emergency stop pushbuttons. In addition the emergency stop contact blocks and actuators are equipped with two assembly guides which prevent twisting during assembly.

To ensure optimum illumination, the LED color of the LED clip should be chosen to match the lens color of the actuator.



Technical properties

Installation dimensions	
Mounting depth	27 mm
Mechanical design	
Contact material	Silver
Contacts	1 NC+1 NO, 2 NC, 2 NO
Flastical sharestaristica as you IFO 00047	
Electrical characteristics as per IEC 60947, Rated insulation voltage AC/DC	AC-15, DC-13 250 V
Rated insulation voltage AC/DC	250 V



For QC contact blocks with gold contacts, terminal assignments and order numbers, please refer to the RAFI

main catalog/brochure "RAFIX 22 FS⁺" which can be downloaded at www.rafi.de. 上海RAFI急停开关山东省青岛0532-58808751 yxauto®126