

RAFIX 22 QR, illuminated selector switch, round collar, short lever, frontring black, 2 x 90°, latching, illuminable



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction

special features

- Translucent rotary handle markings, illuminable
- Design adaptations through different front ring colors
- For selector switches with three switching positions (e.g. 2 x 90 degrees with neutral position), the left or right switching element is actuated depending on the direction of rotation.
- Firmly molded collar seal, cannot twist or be lost during installation.
- 1-person mounting: the element is clamped by the seal in the mounting hole and can then be screwed from behind.
- Robust suitable also for operation with gloves
- > Degree of protection: IP 65 at the front
- Additional protection against twisting due to threaded ring with claw
- > Installation diameter 22.3 mm
- > Separate switching elements required
- Close mounting of actuators possible (min. 30 x 50 mm), as wiring is axial from behind
- Switching elements with silver contacts (max. 400 V) or gold contacts (max. 35 V / 100 mA)
- Connection types switching elements: cage clamp, screw connection or plug-in connection



RAFI GmbH & Co. KG





description

RAFIX control units are modular units consisting of several parts. In the RAFIX 22 QR family, they always consist of an actuating element, coupling, and switching element, or of a light attachment, coupling, and lamp socket. For assembly, the switching elements and lamp holders are first snapped into the coupling. Then this unit is snapped onto the actuating element or the signal lamp. To release, a bayonet lever must be actuated.

Actuating elements (such as pushbuttons or emergency stop actuators) have the specified tactility and function only when assembled with the appropriate switching elements. For illuminated actuators and illuminated attachments, please use a lamp socket / LED element as the middle element in the coupling.

For RAFIX 22 QR actuating elements, you can choose between two collar shapes: round and square. The mounting diameter is 22.3 mm according to the standard. The anti-rotation lug can be easily removed with a screwdriver if necessary.

Additional information according to UL certificate:

> These devices should be mounted in an overall enclosure with sufficient stability and with the specified clearances.

technical data

> general			
Front ring color	black	direc	t links
Collar shape	round	> RA	FI eCatalog
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	21.7 g		
Operating life	500,000 cycles		
B10	650,000 cycles		
Degree of protection, front side, according to DIN EN 60529	IP65		
Environment resistance	IEC 60068-2-14		
	IEC 60068-2-30		
	IEC 60068-2-33		
	IEC 60068-2-78		
Protection class	II		
MOQ order	10 pcs.		
RoHS compliant	Yes		
REACH compliant	Yes		
> mounting diameters			

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.

RAFI GmbH & Co. KG

technical data sheet

>



Threaded ring torque, max.



Outside dimension, length	29.8 mm	
Outside dimension, width	29.8 mm	
Outside dimension, height	45.1 mm	
Mounting hole	22.3 mm	
Mounting depth	56.4 mm	
Installation height	22.2 mm	
Grid, min.	50 x 30 mm	
Collar dimension	ø 29,8 mm	
mechanical data		
Actuation function	latching	
Operating torque, max.	2 Nm	
Rotating angle	2 × 90°	
Fixing	Threaded ring	

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**: Jul 22, 2024 **page**: 3/5

RAFI GmbH & Co. KG

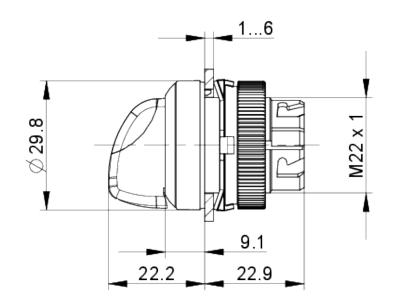
technical data sheet



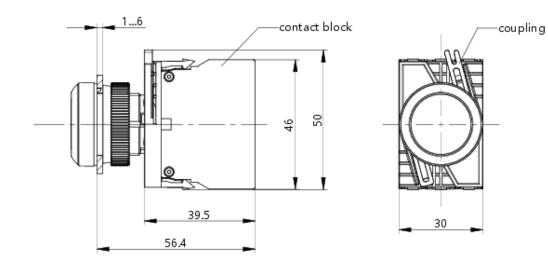


drawings

Dimensioned 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**: Jul 22, 2024 **page**: 4/5

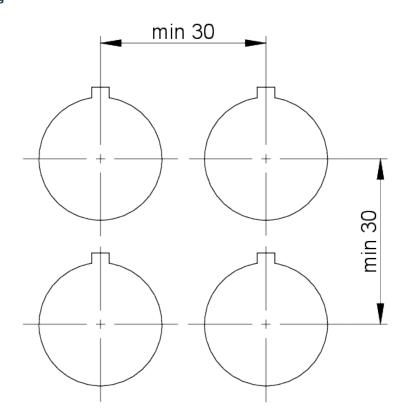
RAFI GmbH & Co. KG

technical data sheet





front panel 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**: Jul 22, 2024 **page**: 5/5

RAFI GmbH & Co. KG