

RAFIX 22 QR, switching element, screw terminal, gold, with coupling, 1 NC + 1 NO



fields of application

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

special features

- Switching elements with screw connection
- Mounting by snapping on (onto coupling) and actuator
- > The connections are open, wiring can start immediately
- > The screws are captively fixed in the terminal point
- Time and material savings due to elimination of ferrules for stranded wires
- Rigid wires and stranded wires can be used
- Less wiring effort by inserting the cables from the rear, as no bending of the wires is necessary.
- Disassembly by loosening the bayonet lever of the coupling



RAFI GmbH & Co. KG

technical data sheet 1.20.124.117/0000



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.

For illuminable actuators and indicator lights, please use a lamp socket / LED element as the middle element in the coupling.

Switching elements marked in different colors prevent confusion in the bearing and when connecting:

- > 1/2 NC contacts = 1/2 red side cover
- > 1/2 normally open contacts = 1/2 green side covers
- > 1 NC and 1 NO contact = 1 red and 1 green side cover
- Silver contacts = housing base color black
- Gold contacts = housing base color gray
- Lamp socket and LED element = completely black
- The connections belonging to a pair of contacts are marked in color on the connection side and provided with contact identification numbers: 1-2 = NC contact, 3-4 = NO contact
- > Sicheres Schalten von Kleinströmen durch oxidationsfreie Goldkontakte (max. 35 V / 0,25 A)
- Lieferumfang; 1 Schaltelement mit 1 Schließer- und 1 Öffner-Kontakt (1 S + 1 Ö), eingerastet in Kupplung
- > Montage durch Aufrasten der Kupplung auf Betätiger

technical data

>	general			
	Color	light gray	direct links	
	Operating temperature, min.	-25 °C	> RAFI eCatalog	
	Operating temperature, max.	70 °C		
	Storage temperature, min.	-40 °C		
	Storage temperature, max.	80 °C		
	illuminated	No		
	Packaging unit	10 pcs.		
	net weight	24.2 g		
	Operating life electrical	1.000.000 (10mA / 24V DC) cycles		
	B10 electrical	1.300.000 (10mA / 24V DC) cycles		
	Environment resistance	IEC 60068-2-14		
		IEC 60068-2-30		
		IEC 60068-2-33		
		IEC 60068-2-78		
	Shock resistance according to standard IEC 60068-2-27	15 g at 11 ms amplitude semi-sinusoidal		

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**: Aug 31, 2024 **page**: 2/4

RAFI GmbH & Co. KG

technical data sheet

1.20.124.117/0000



	Vibration resistance according to	5 g at 10 - 500 Hz	
	standard IEC 60068-2-6	5 g at 10 - 500 Hz	
	MOQ order	10 pcs.	
	RoHS compliant	Yes	
	REACH compliant	Yes	
>	mounting diameters		
	Outside dimension, length	49.9 mm	
	Outside dimension, width	39.5 mm	
	Outside dimension, height	30 mm	
	Mounting depth	56.4 mm	
>	mechanical data		
	Operating force, max.	100 N	
	Contact function	1 NC + 1 NO	
	Contact system	Bridge contact	
	Contact material	Gold	
	Fixing	Latching	
	Terminal on the rear	Screw terminal	
	Connection marking	Normally Closed: 11/12, 21/22	
		Normally Open: 13/14, 23/24	
	Abisolierlänge	8 mm	
	Wire end sleeve required	Ja	
>	electrical data		
	Rated voltage, min.	0.02 V	
	Rated voltage, max.	35 V	
	Voltage type	AC / DC	
	Rated operating voltage	0.02-35 V	
	Rated current, min.	0.00001 A	
	Rated current, max.	0.1 A	
	Rated power, max.	1 W	
	Power loss	0.00020 W	
	Maximum connection cross	1.5 mm ²	
	section	0.05	
	Minimum connection cross	0.25 mm ²	
	section		

RAFI GmbH & Co. KG

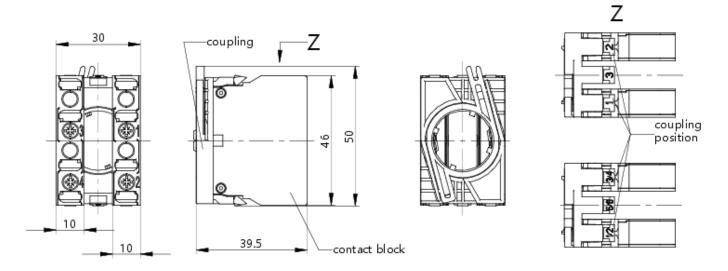
technical data sheet

1.20.124.117/0000



drawings

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**: Aug 31, 2024 **page**: 4/4

RAFI GmbH & Co. KG