

RAFIX 22 QR, switching element, cage clamp terminal, silver, with coupling, 1 NC



fields of application

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

special features

- Switching elements with cage clamp connection
- Connection with cage clamp: Insert screwdriver (open terminal), insert cable, pull out screwdriver (terminal closes)
- Time and material savings due to elimination of ferrules for stranded wires
- > Solid 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



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technical data sheet 1.20.125.001/0000



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
- > Safe switching due to silver contacts (max. 400 V)
- > Scope of delivery with coupling

Additional information according to UL certificate:

- > The terminals are suitable for factory and field wiring.
- > The terminals should be mounted with solid wires.
- During the temperature test, wiring terminals reached 112°C. The temperature rating of conductors used to connect to these devices shall be rated for at least 112°C.

technical data

> general		
Operating temperature, min.	-25 °C	direct links
Operating temperature, max.	70 °C	> RAFI eCatalog
Storage temperature, min.	-40 °C	
Storage temperature, max.	80 °C	
illuminated	No	
Packaging unit	10 pcs.	
net weight	19.9 g	
Operating life electrical	70.000 (10A / 250V AC) cycles	
	200.000 (5A / 250V AC) cycles	

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technical data sheet

Abisolierlänge

> electrical data

Voltage type

Power loss

Wire end sleeve required

Rated insulation voltage

Rated surge voltage

Rated voltage, min.

Rated voltage, max.

Rated current, max.

Categories of use

Rated operating voltage

Category of use AC-15 / B300

Category of use DC-13 / Q300

Conditional short circuit current

Fixing

1.20.125.001

1.20.125.001/0000	
90.000 (10A / 250V AC) cycles 210.000 (5A / 250V AC) cycles 515.000 (2A / 250V AC) cycles	
IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78	
5 g at 10 - 500 Hz	
10 pcs.	
Pollution degree 3	
Yes	
Yes	
49.9 mm	
39.5 mm	
30 mm	
56.4 mm	
1 NC	
Bridge contact	
	210.000 (5A / 250V AC) cycles 515.000 (2A / 250V AC) cycles IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78 5 g at 10 - 500 Hz 10 pcs. Pollution degree 3 Yes Yes 49.9 mm 39.5 mm 30 mm 56.4 mm 1 NC



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Latching

8 mm

Nein

400 V

10 V

400 V AC/DC

10-400 V

2.00000 W

AC-15 / B300 DC-13 / Q300

1,000 A

400 V / 3,5 A (IEC 60947)

240 V / 0,27 A (IEC 60947)

10 A

6,000 V

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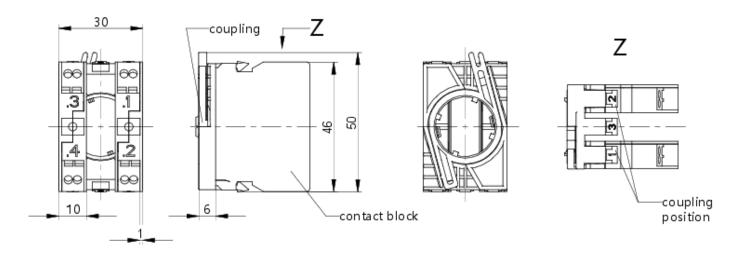
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1.20.125.001/0000



drawings

System drawing



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