

RAFIX 22 QR, switching element, cage clamp terminal, silver, with coupling, 1 NO, 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
- 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



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 durch Silberkontakte (max. 400 V)
- Lieferumfang mit Kupplung

technical data

➤ general

Operating temperature, min.	-25 °C
Storage temperature, min.	-40 °C
Operating temperature, max.	70 °C
Storage temperature, max.	80 °C
illuminated	No
Packaging unit	10 pcs.
net weight	32.0 g
Operating life electrical	70.000 (10A / 250V AC) cycles 200.000 (5A / 250V AC) cycles
B10 electrical	90.000 (10A / 250V AC) cycles 210.000 (5A / 250V AC) cycles 515.000 (2A / 250V AC) cycles
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
Vibration-resistance according to standard IEC 60068-2-6	5 g at 10 - 500 Hz
MOQ order	100 pcs.
Pollution degree acc. to DIN EN 61010-1	Pollution degree 3

direct links

- [RAFI eCatalog](#)

RoHS compliant	Yes
REACH compliant	Yes
> mounting diameters	
Mounting depth	56.4 mm
Outside dimension, length	49.9 mm
Outside dimension, width	39.5 mm
Outside dimension, height	30 mm
> mechanical data	
Contact function	1 NO, 1 NC
Contact system	Bridge contact
Fixing	Latching
> electrical data	
Rated insulation voltage	400 V
Rated surge voltage	6,000 V
Rated voltage, min.	10 V
Rated voltage, max.	400 V
Voltage type	AC / DC
Rated operating voltage	10-400 V
Rated current, max.	10 A
Power loss	4 W
Category of use AC-15 / B300	400 V / 3,5 A (IEC 60947)
Categories of use	AC-15 / B300
	DC-13 / Q300
Category of use DC-13 / Q300	240 V / 0,27 A (IEC 60947)
Conditional short circuit current	1,000 A

drawings**System drawing**