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

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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
Operating temperature, min.	-25 °C
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

direct links

- RAFI eCatalog

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Vibration resistance according to 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 section	1.5 mm²
Minimum connection cross section	0.25 mm²

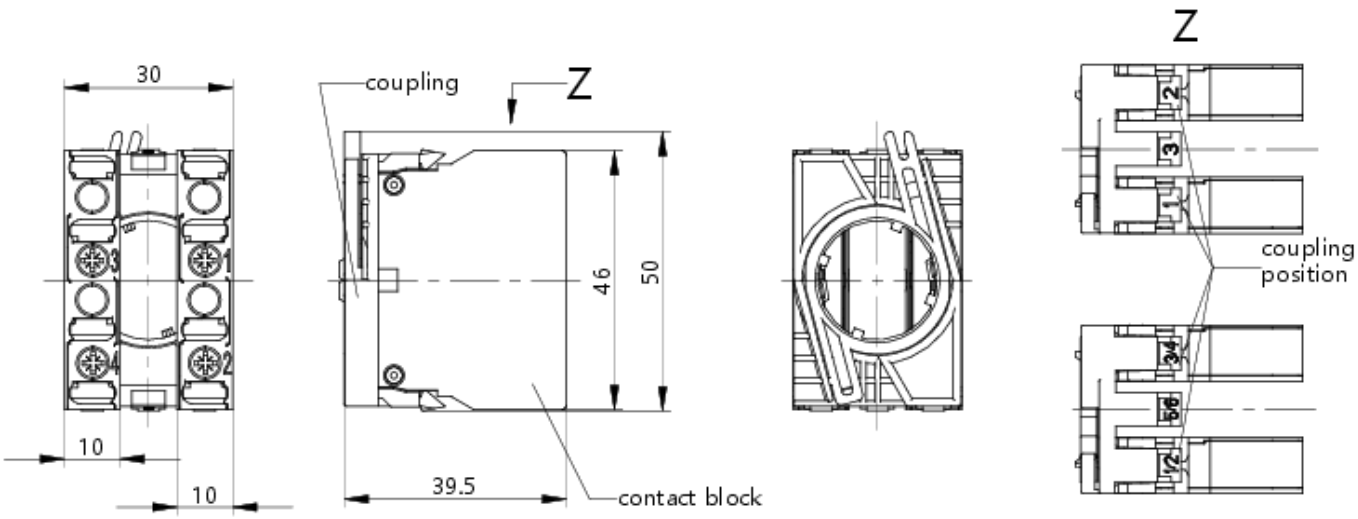
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drawings

System drawing



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