**5.00.070.083/0400**

# RAFIX 22 QR, LED element, screw terminal, without coupling, 24V, LED yellow



## fields of application

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

## special features

- LED element with screw connection
- Recommendation for clear colors: LED color = bezel color
- Mounting by snapping on (on coupling) and actuator / light attachment
- Mounting always at the middle coupling position
- The connections are open, wiring can start immediately
- The screws are captively fixed in the clamping position
- Time and material savings due to omission of wire end 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.
- Connection identification: X1 = plus, X2 = minus
- 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

## technical data

### general

| | |
|---|---|
| Color | black |
| Luminous element color | yellow |
| Operating temperature, min. | -20 °C |
| Operating temperature, max. | 65 °C |
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 80 °C |
| illuminated | Yes |
| Luminous elements | LED |
| Packaging unit | 10 pcs. |
| net weight | 12.6 g |
| Environment resistance | IEC 60068-2-14<br>IEC 60068-2-30<br>IEC 60068-2-33<br>IEC 60068-2-78 |
| Shock resistance according to standard IEC 60068-2-27 | 50 g at 11 ms amplitude semi-sinusoidal |
| Vibration resistance according to standard IEC 60068-2-6 | 10 g at 40 - 500 Hz |
| MOQ order | 10 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |

**direct links**

- RAFI eCatalog

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## mounting diameters

| | |
|---|---|
| Outside dimension, length | 10 mm |
| Outside dimension, width | 46 mm |
| Outside dimension, height | 39.5 mm |
| Mounting depth | 56.4 mm |

## mechanical data

| | |
|---|---|
| Fixing | Latching |
| Terminal on the rear | Screw terminal |
| Abisolierlänge | 8 mm |
| Wire end sleeve required | Ja |

## electrical data

| | |
|---|---|
| Operating voltage of the luminous element, max. | 24 V |
| Voltage type | AC / DC |
| Rated operating voltage | 24 V |
| Power loss | 0.38400 W |
| Maximum connection cross section | 1.5 mm² |
| Minimum connection cross section | 0.25 mm² |

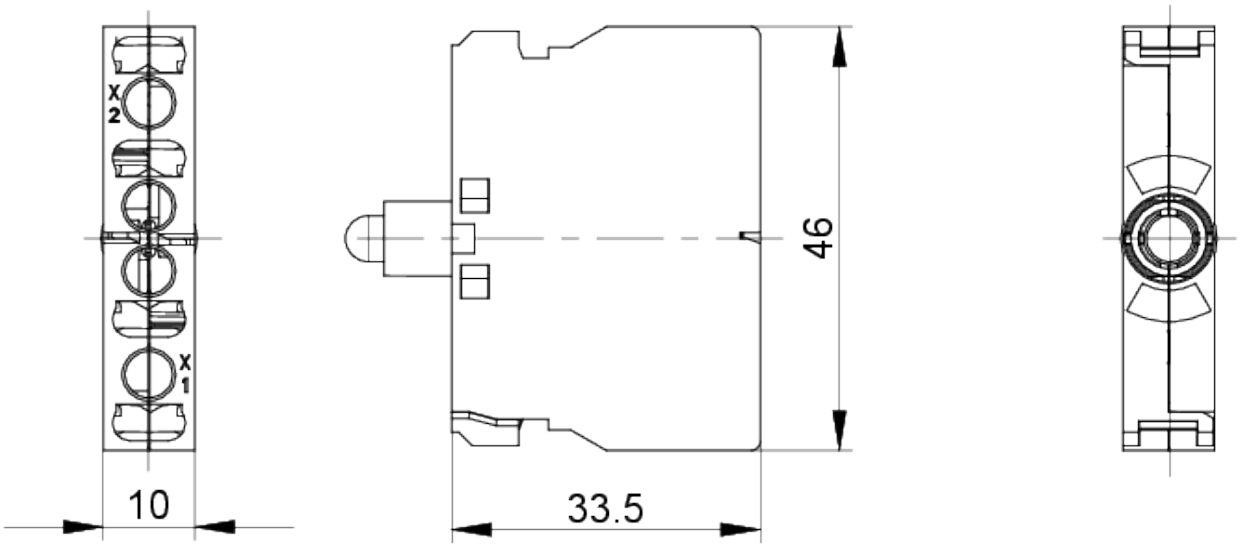
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## drawings

### Dimensioned drawing




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