



NO IMAGE  
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## EX-RF10

- Screw connection
- 1-2 (Contact labelling)

## Data

### Ordering data

Product type description	EX-RF10
Article number (order number)	101195134
EAN (European Article Number)	4030661460321
eCl@ss number, version 12.0	27-37-13-02
eCl@ss number, version 11.0	27-37-13-02
eCl@ss number, version 9.0	27-37-13-02
ETIM number, version 7.0	EC000041
ETIM number, version 6.0	EC000041

### Approvals - Standards

Certificates	TÜV cURus IEC Ex
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### Explosion protection

Explosion protection: regulations	EN IEC 60079-0 EN 60079-11 EN 60079-14 EN 60079-31
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Explosion protection zones	1 21 2 22
Explosion protection category	2G 2D
Explosion protection designation	⊕ II 2G Ex ib IIC Gb ⊕ II 2D Ex ib IIIC Db

## General data

Standards	EN IEC 62061 EN ISO 13849-1 EN IEC 60947-5-1 EN IEC 60947-5-3 EN IEC 60947-5-5 EN IEC 60204-1 EN IEC 60947-1
Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the identification label	Plastic, Polyamide PA
Gross weight	11 g

## General data - Features

Number of normally closed (NC)	1
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## Safety classification

Mission time	20 Year(s)
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## Safety classification - Safety outputs

B <sub>10D</sub> Normally-closed contact (NC)	100,000 Operations
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## Mechanical data

Installation instructions	pluggable
Mechanical life, minimum	10,000,000 Operations
Positive break travel	2 mm

Contact opening	1 mm
Tightening torque of the screw	1 Nm
Mounting flange position	1 2 3

### Mechanical data - Connection technique

Termination	Screw terminals M20 x 1.5
Cable section, minimum	2 x 1.0 mm <sup>2</sup> , flexible
Cable section, maximum	2 x 2.5 mm <sup>2</sup>
Tightening torque of Clips	1 Nm

### Mechanical data - Dimensions

Length	44 mm
Width	9 mm
Height	25.5 mm

### Ambient conditions

Degree of protection of the switch rooms	IP40
Degree of protection of clips or terminals	IP20
Resistance to vibrations	5 g
Resistance to shock	30 g / 18 ms
Resistant to vibration	20 g / 10 ... 150 Hz

### Ambient conditions - Insulation values

Rated insulation voltage $U_i$	400 V
Rated impulse withstand voltage $U_{imp}$	4 kV
Degree of pollution	3

### Electrical data

Thermal test current	10 A
Utilisation category AC-15	250 VAC
Utilisation category AC-15	6 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	3 A
Suitable for low-voltages	$\geq 5 \text{ V} / \geq 1 \text{ mA}$
Switching element	Opener (NC)
Switching principle	Slow action
Switching frequency	1,200 /h
Material of the contacts, electrical	Silver
Contact labelling	1-2

## Pictures

### Product picture (catalogue individual photo)



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| 98.4 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi

| 3.3 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

| 26.4 kB | .jpg | 123.472 x 123.472 mm - 350 x 350 px - 72 dpi

### Switch travel diagram



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| 18.5 kB | .cdr |

| 1,020.0 b | .png | 74.083 x 16.933 mm - 210 x 48 px - 72 dpi

| 19.6 kB | .jpg | 352.778 x 80.433 mm - 1000 x 228 px - 72 dpi

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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