



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 _{10D} 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 ² , flexible
Cable section, maximum	2 x 2.5 mm ²
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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ID: no-pic01
| 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



ID: krf--s01
| 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