



## EF303F.1

- Flat plug-in connector
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF

## Data

### Ordering data

Product type description	EF303F.1
Article number (order number)	101022140
EAN (European Article Number)	4030661463629
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	cULus CCC
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### General data

Standards	EN IEC 60947-5-1 EN IEC 60947-1
Versions	Contact element
Design	Slow action

Housing material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross weight	19 g

### General data - Features

Suitable for EMERGENCY-OFF	Yes
Number of normally closed (NC)	1
Number of normally open (NO)	1

### Mechanical data

Installation instructions	pluggable
Mechanical life, minimum	10,000,000 Operations
Positive break travel	2 mm
Contact opening	3 mm NO 3 mm NC
Note Bounce duration	Bounce duration at an Actuating speed of 100mm/s
Mounting flange position	1

### Mechanical data - Connection technique

Termination	Plug-in terminal
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### Mechanical data - Dimensions

Length	46 mm
Width	10 mm
Depth	60 mm

### Ambient conditions

Degree of protection of the switch rooms	IP40
Degree of protection of clips or terminals	IP20
Ambient temperature	-25 ... +80 °C
Resistance to shock	110 g / 4 ms

Resistant to vibration

Resistance to vibration: 20 g / 10...200 Hz

## Ambient conditions - Insulation values

Rated insulation voltage  $U_i$  400 V

## Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	8 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	5 A
Suitable for low-voltages	$\geq 5 \text{ V} / \geq 3.2 \text{ mA}$
Switching element	NC contact, NO contact
Switching principle	Slow action
Bounce duration, maximum	5 ms
Maximum switching frequency	1,200 /h
Material of the contacts, electrical	Silver
Contact labelling	11-12 23-24

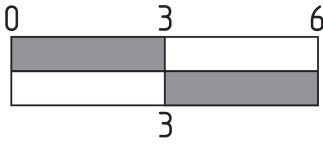
## Pictures

### Product picture (catalogue individual photo)



ID: ef220f-blanko  
| 371.6 kB | .jpg | 352.425 x 358.069 mm - 999 x 1015 px - 72 dpi  
| 37.0 kB | .png | 74.083 x 75.142 mm - 210 x 213 px - 72 dpi  
| 51.0 kB | .jpg | 121.356 x 123.472 mm - 344 x 350 px - 72 dpi

### Switch travel diagram



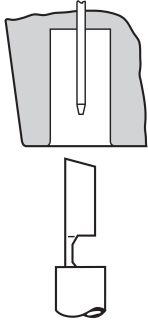
ID: krf--s10

| 19.0 kB | .cdr |

| 1.2 kB | .png | 74.083 x 31.044 mm - 210 x 88 px - 72 dpi

| 31.8 kB | .jpg | 352.778 x 147.814 mm - 1000 x 419 px - 72 dpi

## Operating principle



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| 17.0 kB | .cdr |

| 133.2 kB | .jpg | 352.778 x 781.756 mm - 1000 x 2216 px - 72 dpi

| 3.3 kB | .png | 74.083 x 164.042 mm - 210 x 465 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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