



## EF033.1

- Screw connection
- Mounting flange position 1
- Suitable for **EMERGENCY-OFF**
- 13-14; 23-24 (Contact labelling)

## Data

### Ordering data

Product type description	EF033.1
Article number (order number)	101006544
EAN (European Article Number)	4250116201242
eCl@ss number, Version 9.0	27-37-13-02

### Certifications

Certificates	cULus CCC EAC
--------------	---------------------

### General data

Product name	Contact element EF
Standards	EN 60947-5-1 IEC/EN 60947-1
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Contact labelling	13-14 23-24
Gross weight	35 g

### General data - Features

Suitable for EMERGENCY-OFF	Yes
Number of shutters	2

## Mechanical data

Installation instructions	pluggable
Mechanical life, minimum	10,000,000 Operations
positive break travel	2 mm
Contact opening	3 mm
Note Bounce duration	Bounce duration at an Actuating speed of 100mm/s
Mounting flange position	1

## Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.5 mm <sup>2</sup> , rigid 0.5 mm <sup>2</sup> , flexible
Cable section, maximum	2.5 mm <sup>2</sup> , rigid 1.5 mm <sup>2</sup> , flexible
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

## Mechanical data - Dimensions

Width	10 mm
Length	46 mm
Depth	60 mm

## Ambient conditions

Protection class of the Switch rooms	IP40
Protection class of Clips or Terminals	IP20
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+80 °C
Resistance to shock	110 g / 4 ms
Resistant to vibration	Resistance to vibration: 20 g / 10...200 Hz

## 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	≥ 5 V / ≥ 3.2 mA
Switching element	Normally open contact (NO)
Switching principle	Slow action
Bounce duration, maximum	5 ms

Switching frequency

1,200 /h

## Documents

### UL Certificate

(413,7 kB, 01.08.2019)

### CCC certification

(1,4 MB, 10.05.2019, Revision B)

### EAC certification

## Pictures

### Product picture (catalogue individual photo)



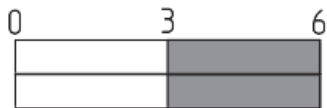
ID: kef03f03

| 41,1 kB | .png | 73.731 x 88.547 mm - 209 x 251  
Pixel - 72 dpi

| 64,3 kB | .jpg | 27.009 x 32.427 mm - 319 x 383 Pixel  
- 300 dpi

| 498,0 kB | .jpg | 352.425 x 422.981 mm - 999 x 1199  
Pixel - 72 dpi

### Switch travel diagram



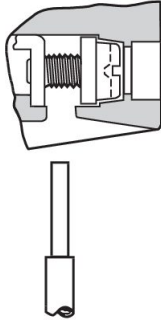
ID: krf--s05

| 18,9 kB | .cdr |

| 10,2 kB | .jpg | 112.889 x 37.747 mm - 320 x 107  
Pixel - 72 dpi

| 1,1 kB | .png | 74.083 x 24.694 mm - 210 x 70 Pixel -  
72 dpi

### Operating principle



ID: krf--a05

| 19,5 kB | .cdr |

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

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.

Generated on 23.06.2020 08:34:50