



## EF303SF.3

- Flat plug-in connector
- Mounting flange position 3
- 51-52; 63-64 (Contact labelling)

## Data

### Ordering data

Product type description	EF303SF.3
Article number (order number)	101006589
EAN (European Article Number)	4030661503356
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
--------------	--------------

### 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

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
-------------	------------------

### 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 with security spring
Bounce duration, maximum	5 ms
Maximum switching frequency	1,200 /h
Material of the contacts, electrical	Silver
Contact labelling	51-52 63-64

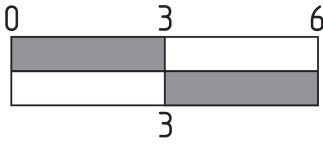
## Pictures

### 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



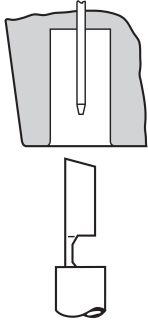
ID: krf--s10

| 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



ID: krf--a06

| 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

Schmersal Ltd., Sparrowhawk Close, WR14 1GL Malvern

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: 05/04/2024, 10:44