DATASHEET



EF303.1

- Screw connection
- Mounting flange position 1
- 11-12; 23-24 (Contact labelling)
- Suitable for EMERGENCY-OFF

Data

Ordering data

Product type description	EF303.1
Article number (order number)	101022137
EAN (European Article Number)	4250116201341
eCl@ss number, Version 9.0	27-37-13-02
eCl@ss number, Version 11.0	27-37-13-02
ETIM number, version 7.0	EC000041
ETIM number, version 6.0	EC000041

Approval - Standards

Certificates	cULus CCC EAC

General data

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	11-12 23-24
Gross weight	20 g

General data - Features

Suitable for EMERGENCY-OFF	Yes
Number of openers	1
Number of shutters	1

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 terminals M20 x 1.5
Cable section, minimum	0.5 mm², rigid 0.5 mm², flexible
Cable section, maximum	2.5 mm², rigid 1.5 mm², flexible
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

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, minimum	-25 °C
Ambient temperature, maximum	+80 °C
Restistance to shock	110 g / 4 ms
Resistant to vibration	Resistance to vibration: 20 g / 10...200 Hz

Ambient conditions - Insulation value

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	≥ 5 V / ≥ 3.2 mA
Switching element	NC contact, NO contact
Switching principle	Slow action
Bounce duration, maximum	5 ms
Switching frequency	1,200 /h

Pictures

Product picture (catalogue individual photo)



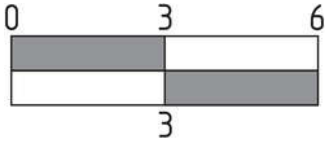
ID: ef303f01
| 600.2 kB | .jpg | 352.778 x 352.778 mm - 1000 x 1000 px - 72 dpi
| 49.7 kB | .png | 74.083 x 74.083 mm - 210 x 210 px - 72 dpi

Product picture (catalogue individual photo)



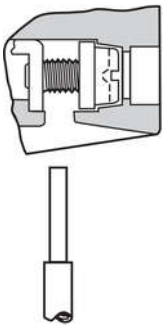
ID: kef30f08
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| 49.3 kB | .png | 74.083 x 75.142 mm - 210 x 213 px - 72 dpi

Switch travel diagram



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| 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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| 19.5 kB | .cdr |
| 189.7 kB | .jpg | 352.778 x 711.2 mm - 1000 x 2016 px - 72 dpi
| 3.7 kB | .png | 74.083 x 149.225 mm - 210 x 423 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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