

## Datasheet - EF 303.1

Emergency-Stop button / contact element / contact element EF

 Preferred typ

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

(Minor differences between the printed image and the original product may exist!)

### Ordering details

Product type description	EF 303.1
Article number	101144566
EAN code	4030661283524

### Approval

Approval



### Global Properties

Product name	Kontaktelement EF
Standards	IEC/EN 60947-5-5, EN 418
Compliance with the Directives (Y/N) 	Yes
Power switch	Push/selection button, Emergency-Stop button
Contact labelling	23-24; 11-12
Materials	
- Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
- Material of the contacts	Silver
Weight	20 g

### Mechanical data

Connection type	Screw connection
Cable section	
- Max. Cable section	2.5 mm <sup>2</sup>
- Min. Cable section	0,5 mm <sup>2</sup>
Assembly	pluggable
Mounting flange position	1
Mechanical life / contact element	10.000.000 operations
Switching frequency	600 /h
restistance to shock	110 g / 4 ms
Bounce duration (100 mm/s)	< 5 ms
Contact opening	> 2 x 1.25 mm

## Ambient conditions

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Protection class	IP40
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## Electrical data

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Design of control element	Normally open contact (NO), Opener (NC)
Switching principle	Slow action
Number of shutters	1 piece
Number of openers	1 piece
Number of changers	
Rated insulation voltage U <sub>i</sub>	400 V
Thermal test current I <sub>the</sub>	10 A
Utilisation category	AC-15: 230 V / 8 A DC-13: 24 V / 5 A
Max. fuse rating	10 A gG D-fuse slow blow

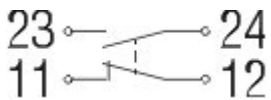
## notice

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

In order to avoid repeating of the same terminal designations in wiring diagrams, contact blocks with the same contact configuration are available with different terminal designations.

## Diagram

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Note Diagram


-  positive break NC contact
-  active
-  no active
-  Normally-open contact
-  Normally-closed contact

## Switch travel diagram

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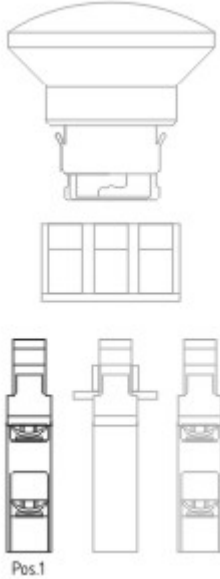
Notes Switch travel diagram

-  Contact closed

- Contact open
  - Setting range
  - Break point
  - Positive opening sequence/- angle
- VS** adjustable range of NO contact  
**VÖ** adjustable range of NC contact  
**N** after travel

**Images**

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Assembly example

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K.A. Schmersal GmbH, Möddinghofe 30, D-42279 Wuppertal  
 The data and values have been checked thoroughly. Technical modifications and errors excepted.  
 Generiert am 01.11.2012 - 16:29:33h Kasbase 2.2.2 DBII

