

Datasheet - EF03.1



Command and signalling devices / Contact and light terminal blocks (EF/EL) System / contact elements / contact element EF - (N)

- Screw connection
- Mounting flange position 1
- 13-14 (Contact labelling)



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

Ordering details


Product type description	EF03.1
Article number	101006538
EAN code	4250116201181

Approval

Approval



Global Properties

Product name	Kontaktelement EF
Standards	IEC/EN 60947-1, EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Contact labelling	13-14
Materials	
- Material of the housings	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
- Material of the contacts	Silver
Weight	20 g
Suitable for EMERGENCY-OFF (Y/N)	Yes

Mechanical data

Connection type	Screw connection
notice	All indications about the cable section are including the conductor ferrules.
Cable section	
- Min. Cable section	0,5 mm ² , rigid 0,5 mm ² , flexible
- Max. Cable section	2.5 mm ² , rigid 1.5 mm ² , flexible
Assembly	pluggable
Mounting flange position	1
Mechanical life / contact element	10.000.000 operations
Switching frequency	1200 /h
restistance to shock	110 g / 4 ms
resistant to vibration	> 20 g / 10 ... 200 Hz
Bounce duration (100 mm/s)	< 5 ms
positive break travel	2 mm
Contact opening	3 mm

Ambient conditions

Ambient temperature	
- Min. environmental temperature	-25 °C
- Max. environmental temperature	+80 °C
Protection class	
- Protection class-Terminals	IP20
- Protection class switching compartments	IP40

Electrical data

Design of control element	Normally open contact (NO)
Switching principle	Slow action
Number of shutters	1 piece
Number of openers	0 piece
Rated insulation voltage U _i	400 V
Thermal test current I _{the}	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
Test voltage (enclosed)	2500 VAC
Suitable for low-voltages	≥ 5 V, 3.2 mA






Dimensions

Dimensions	
- Width	10 mm
- Length	46 mm
- Depth	60 mm

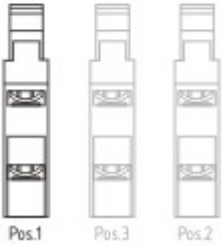
Switch travel diagram



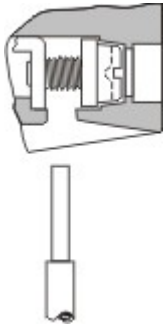
Notes Switch travel diagram

-  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



Application



Operating principle

K.A. Schmersal GmbH, Möddinghofe 30, D-42279 Wuppertal
 The data and values have been checked thoroughly. Technical modifications and errors excepted.
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