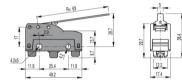


Article: Description:

MK V12D30 Microswitch with lever





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Positive switch opening:

safety applications.

(flexible copper wire):

1.2 Nm, insert washer.

0.6 ... 0.8 Nm.

Device without positive opening. If installed individually, not suitable for

Cross section of the conductors

min. 1 x 0,34 mm2 (1 x AWG 22) max. 2 x 1,5 mm2 (2 x AWG 16)

Device screw tightening torques:

Tighten the M4 screws with a torgue of 0.8 ...

Attention: A tightening torgue higher than 1.2

Nm can cause the breaking of the microswitch.

Tighten the terminal screws with a torque of

Housing:

General data:

Ambient temperature: -25°C ... +85°C Max. actuation frequency: 3600 operating cycles/hour Mechanical endurance: 10 million operating cycles Safety parameters: B10d: 20,000,000 for NC contacts

Contact block characteristics:

Contacts with single interruption and double contacts.

Travel diagram:

- Closed contact
- Opened contact
- → Positive opening travel (IEC 60947-5-1)
- Opening travel 2x2m (EN 81)
- Reset device travel R
- Pushing the switch 4
- Releasing the switch
- (S) Tripping mechanical point

In conformity with requirements requested by: Activating forces:

Low Voltage Directive 2014/35/EU PC: 9mm FS: 0.65N Electromagnetic Compatibility Directive OC: 10mm FR: 0,5N 2014/30/EU CD: 1,1mm

In conformity with standards:

IEC 60947-5-1, EN 60947-5-1, IEC 60529, EN 60529, EN 60947-1, IEC 60947-1. **Approvals:** UL 508, CSA 22.2 No. 14, EN60947-1, EN 60947-5-1

Markings and quality marks:



Electrical data:

Thermal current (Ith): 16 A Rated insulation voltage (Ui): 250 Vac 300 Vdc Rated impulse withstand voltage (Uimp): 4 kV Conditional short circuit current: 1000 A acc. to EN 60947-5-1 Protection against short circuits: type gG fuse 16 A 250 V Pollution degree: 3 Dielectric strength 2000 Vac/min.

Utilization categories:

Alternate current: AC15 (5060 Hz)				
Ue (V)	120	250		
Ie (A)	6	6		
Direct current: DC13				
Ue (V)	24	125	250	
Ie (A)	5	0,6	0,3	

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MK V12D30)
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Description: Microswitch with lever

Article:

Characteristics approved by IMQ

Rated insulation voltage (Ui): 250 Vac Conventional free air thermal current (Ith): 16 A Protection against short circuits: type gG fuse 16 A 250 V Rated impulse withstand voltage (Uimp): 4 kV Conditional short circuit current: 1000 Å Protection degree of the housing: IP00 Terminals: screw terminals/faston Pollution degree: 3 Utilization category: AC15 Operating voltage (Ue): 250 Vac (50 Hz) Operating current (le): 5 A Forms of the contact element: X; Y; C Positive opening of contacts on contact blocks: 1, 3

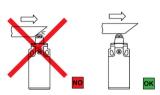
Characteristics approved by UL Utilization categories Q300 (69 VA, 125-250 Vdc) A300 (720 VA, 120 ... 300 Vac)

In conformity with standard: UL 508, CSA 22.2 No.14

In conformity with standards: EN 60947-1, EN 60947-5-1+ A1:2009, fundamental requirements of the Low Voltage Directive 2006/95/EC.

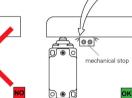
Mechanical stop

Acc. to EN ISO 14119 paragraph 5.2 "the position sensors must not be used as mechanical stop".



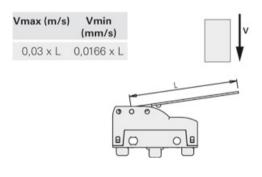
The actuator must not exceed the max. travel as indicated in the travel diagrams.





The guard must not use the switch head as a mechanical stop.

Lever with direct action (D) - Type 3



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