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Switching element

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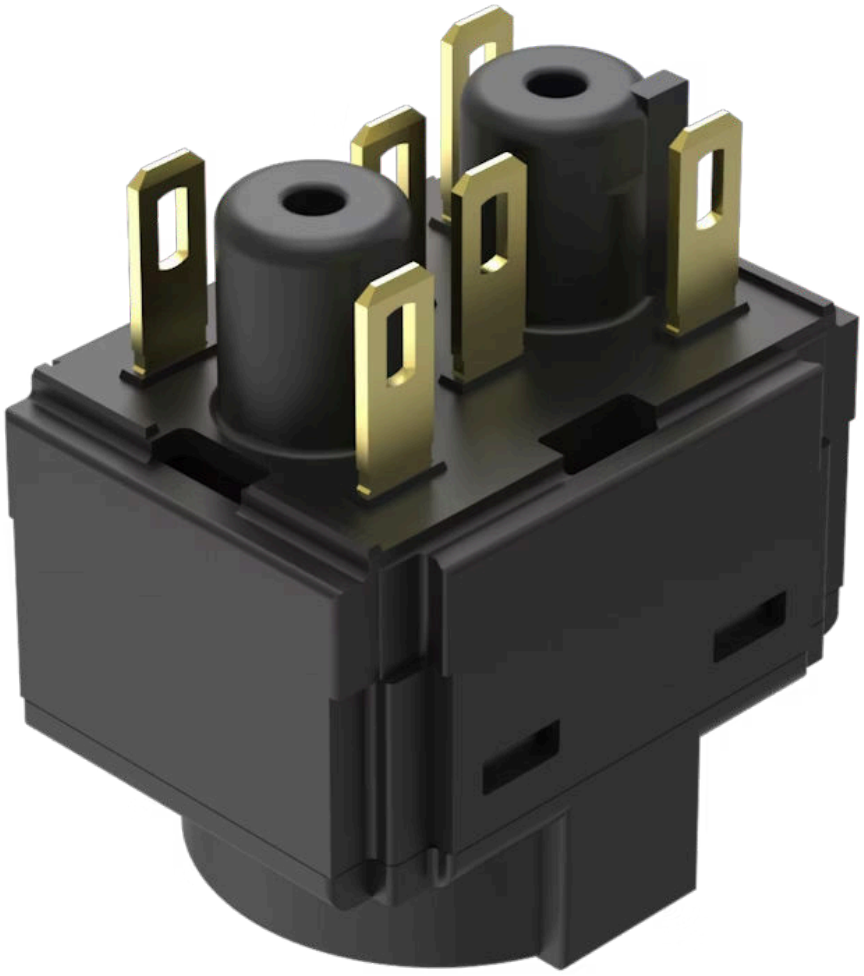
61-8770.37



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Your product:



61-8770.37
Switching element

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

Switch rating AC with gold contact	
Service category AC-15	
according to EN IEC 60947-5-1	
Voltage	50 VAC
Current	0.5 A
Switch rating DC with gold contact	
Service category DC-13	
according to EN IEC 60947-5-1	
Voltage	50 VDC
Current	0.1 A

Contacts: 1 NC / 1 NO

Rated Operational Voltage Ue: 50 VAC / DC, according to EN / IEC 60947-5-1

Rated impulse withstand voltage Uimp: 0.8 kV, according to EN / IEC 60947-5-1

Rated insulation voltage Ui: 320 VAC, according to EN / IEC 60947-5-1

Recommended minimum operational data:

Voltage	10 VAC/DC
Current	2 mA

Switching rating: 50 V AC/DC @ 0,3 A

Electric strength: 4000 VAC, 50 Hz, 1 minute, as per DIN / IEC 60512-2 between all terminals and earth

Overvoltage category: III, according to EN / IEC 60947-5-1

Pollution degree: 2, according to EN IEC 60947-1

Protection class: II, according to EN / IEC 61058-1

Standards: The switches comply with the “Standards for low-voltage switching devices” EN IEC 61058-1, EN IEC 60947-5-1

Thermal current Ith: 3 A

MECHANICAL CHARACTERISTICS

Terminal: Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold

Switching system:	Slow-make switching element
Switching system:	Double-break slow-make system, contact opening width 2 x 1.5 mm, with 2 x 2 contact points per switching element. NC-contact elements in the slow-make elements fulfill requirements of switches with forced opening as per EN / IEC 60947-5-12.17.
Switching positions:	3 positions
Wire cross section:	1 wire flexible: 0.5 … 0.75 mm^2 1 wire super flexible: 0.5 mm^2 1 wire rigid: 0.5 … 1.5 mm^2 2 wires flexible: 0.5 … 0.75 mm^2 2 wires super flexible: 0.5 mm^2 2 wires rigid: 0.5 … 1.5 mm^2
Weight:	0.008 kg

AMBIENT CONDITION

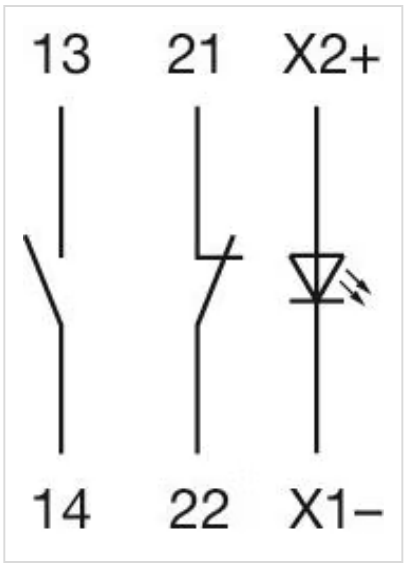
IP Protection:	IP40
Operating temperature:	– 25 °C … + 55 °C
Storage temperature:	– 40 °C … + 85 °C
Shock resistance:	Max. 100 m / s^2, pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)
Vibration resistance:	Max. 100 m / s^2 from 10 Hz … 500 Hz, (sinusoidal EN IEC 60068-2-6)
Climate resistance:	Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per EN IEC 60068-2-30 Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC 60068-2-78 Rapid change of temperature: 100 cycles, – 40 °C … + 80 °C, as per EN / IEC 60068-2-14

CERTIFICATE

Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL, VDE
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

Short Description:	Switching element, Slow-make switching element, 50 V AC/DC @ 0,3 A, Gold, 1 NC / 1 NO, Plug-in terminal, 2.8 x 0.5 mm
Material:	Plastic, according to UL 94 V0
Product attributes:	With lamp terminal
Hints:	With lamp terminal
Wiring diagrams:	



Component layouts:

