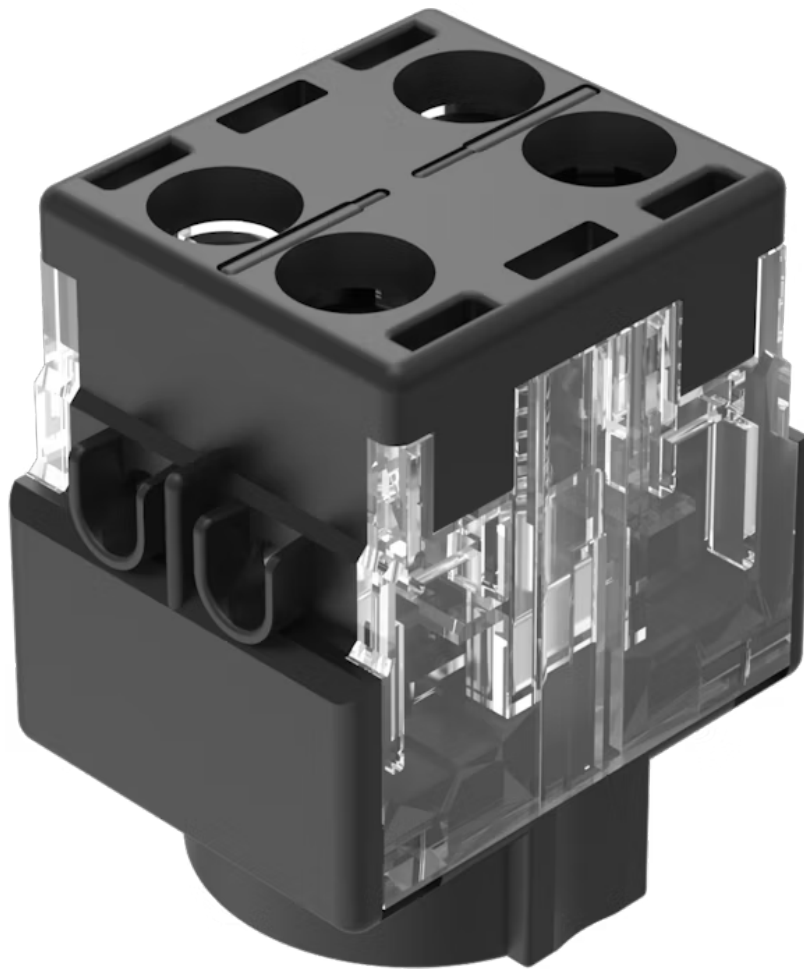


Switching element

61-8640.11



<https://eao.com/p/61-8640.11>

Your product:



61-8640.11

Switching element

ELECTRICAL CHARACTERISTICS

Contacts:	1 NC														
Contact resistance:	New state ≤ 50 mΩ, as per DIN/IEC 60512-2-4, measured at 100 mA, 10 V														
Switching voltage and switching current:	Switch rating AC with silver contact Service category AC-15 according to EN IEC 60947-5-1 <table><tr><td>Voltage</td><td>125 VAC</td><td>250 VAC</td></tr><tr><td>Current</td><td>3 A</td><td>2 A</td></tr></table> Switch rating DC with silver contact Service category DC-13 according to EN IEC 60947-5-1 <table><tr><td>Voltage</td><td>250 VDC</td><td></td></tr><tr><td>Current</td><td>0.2 A</td><td></td></tr></table>			Voltage	125 VAC	250 VAC	Current	3 A	2 A	Voltage	250 VDC		Current	0.2 A	
Voltage	125 VAC	250 VAC													
Current	3 A	2 A													
Voltage	250 VDC														
Current	0.2 A														
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1														
Rated impulse withstand voltage Uimp:	4 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	20 VAC/DC													
	Current	100 mA													
Switching rating:	250 V AC/DC @ 5 A														
Electrical lifetime:	≥50 000 cycles of operation at 250VAC, 2A, cosφ 0.95,														
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:	3, 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:	5 A, according to EN / IEC 60947-5-1														

MECHANICAL CHARATERISTIC

Terminal:	Screw terminal
Contact material:	Silver
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:	2 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 super flexible: 0.5 mm ² 2 wires flexible: 0.5 mm ² 2 wires rigid: 0.75 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

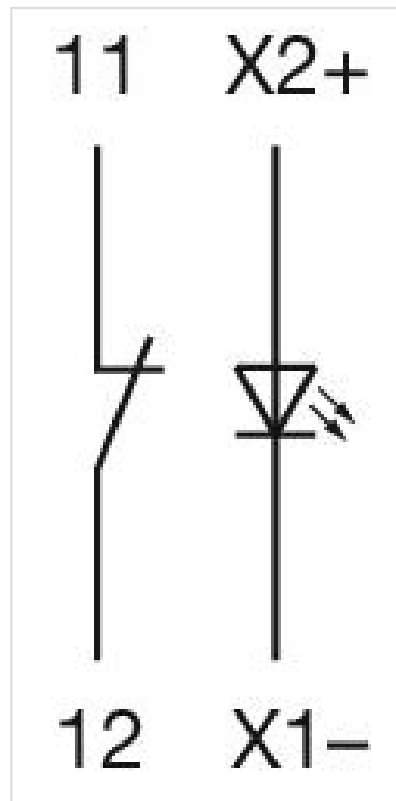
CERTIFICATE

Approbations:	CB (IEC 60947-5-1), CB (IEC 61058-1), CENELEC CCA-NTR (EN 60947-5-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), NFF, SEV (EN / IEC 60947-5-1), UL
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

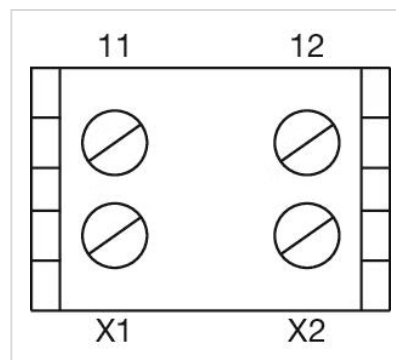
OTHER

Short Description:	Switching element, Slow-make switching element, 250 V AC/DC @ 5 A, Silver, 1 NC, Screw terminal
Material:	Plastic, according to UL 94 V0

Wiring diagrams:



Component layouts:



Where to Buy

Distributor		Quantity in Stock		
	Digi-Key	4 in stock	Buy	
	RS Americas	3 in stock	Buy	
	Mouser Electronics	2 in stock	Buy	
	Sager	0 in stock	Buy	
	Newark Electronics	0 in stock	Buy	

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