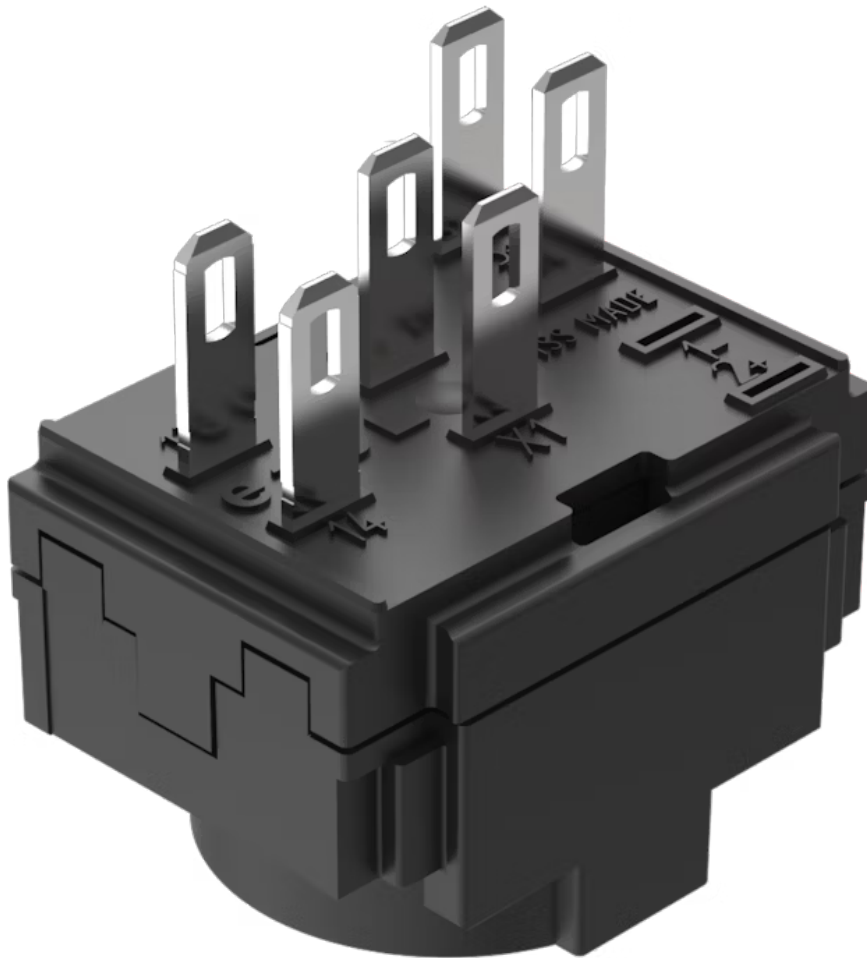


Switching element

61-8420.12



<https://eao.com/p/61-8420.12>

Your product:



61-8420.12

Switching element

ELECTRICAL CHARACTERISTICS

Contacts:	2 NO		
Switching voltage and switching current:	Switch rating AC with silver contact or silver contact with gold plating		
	Service category AC-15		
	according to EN IEC 60947-5-1		
	Voltage		125 VAC
	Current		2.5 A
	Switch rating DC with silver contact or silver contact with gold plating		
	Service category DC-13		
	according to EN IEC 60947-5-1		
	Voltage		250 VDC
	Current		0.15 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:	2500 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		

MECHANICAL CHARATERISTIC

Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Contact material:	Silver
Switching system:	Snap-action switching element
Switching system:	Self-cleaning, double-break snap-action switching system with contact opening width 2mm x 0.5mm (switch with small contact opening width as per EN IEC 61058-1). The switching elements are optionally equipped with the following switching functions: One to three normally open (NO) or normally closed (NC), or any combination of NO and NC plus connections for T1 3/4 LED or lamp. The number of switching elements cannot exceed three. The switching elements provided for the 3-position switch actuators are equipped with max. 2 NC or 2 NO or any combination. The number of switching elements cannot exceed two.
Switching positions:	2 positions
Wire cross section:	1 wire flexible: 0.5 ... 0.75 mm² 1 wire super flexible: 0.5 mm² 1 wire rigid: 0.5 ... 1.5 mm² 2 wires rigid: 0.75 mm² 2 wires flexible: 0.5 mm²
Weight:	0.007 kg

AMBIENT CONDITION

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

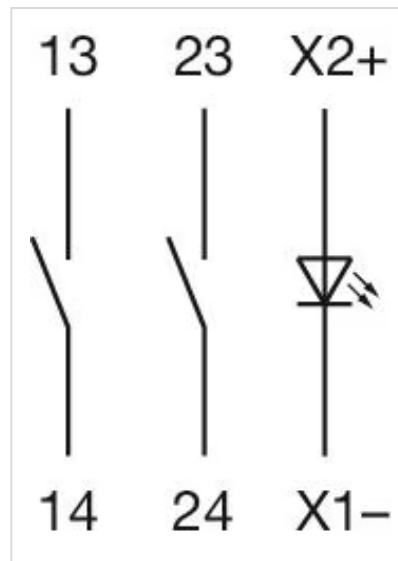
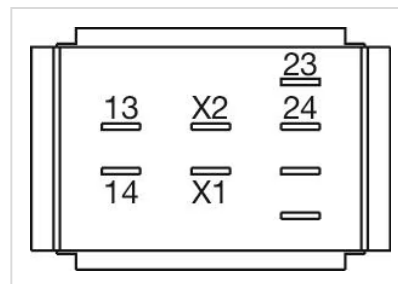
Short Description:	Switching element, Snap-action switching element, 250 V AC/DC @ 5 A, Silver, 2 NO, Plug-in terminal, 2.8 x 0.5 mm
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Material:

Plastic, according to UL 94 V0

Hints:

With lamp terminal

Wiring diagrams:**Component layouts:**

Where to Buy

Distributor		Quantity in Stock		
	Sager	1040 in stock	Buy	
	Farnell element14 UK	597 in stock	Buy	
	element14 Singapore	597 in stock	Buy	
	Distrelec	326 in stock	Buy	
	RS UK	122 in stock	Buy	

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