

Switching element

92-851.342



<https://eao.com/p/92-851.342>

Your product:



92-851.342 Switching element

ELECTRICAL CHARACTERISTICS

Contacts:	1 NO
Switching voltage and switching current:	Switching voltage min. 50 m VAC/DC max. 42 VAC/DC Switching current min. 10 μ A AC/DC max. 100 mA AC/DC Power rating max. 2 W
Switching rating:	42 V @ 0,1 A
Electrical lifetime:	\geq 500 000 cycles of operation at 42VDC, 50mA, according to IEC 60512-5-9c, When attention is paid to the direction of current flow from terminal 3/4 to 1/2 the electrical life can be prolonged.
Electric strength:	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2-4a

MECHANICAL CHARACTERISTIC

Terminal:	PCB terminal
Contact material:	Gold
Switching action:	Momentary
Switching system:	Short-travel element
Switching system:	Short-travel snap-action switching system with two independent contact points and tactile operation Guarantees reliable switching even of very light loads. 1 normally open contact
Mechanical lifetime:	\geq 1 Mio. cycles of operation (switching element under overlay), \geq 5 Mio. cycles of operation (switching element without overlay)
Operating force:	2.7 N \pm 1 N (measured on switching element)
Operating Travel:	ca. 0.5 mm
Weight:	0.001 kg

AMBIENT CONDITION

IP Protection: IP40 switching element (fluxproof to DIN 41640 Part 84), IP65 (front side with overlay foil)

Operating temperature: - 25 °C ... + 70 °C

Storage temperature: - 40 °C ... + 85 °C

CERTIFICATE

Conformities: CE, UKCA, 2011 / 65 / EC (RoHS)

REACH: REACH compliant

RoHS: RoHS compliant

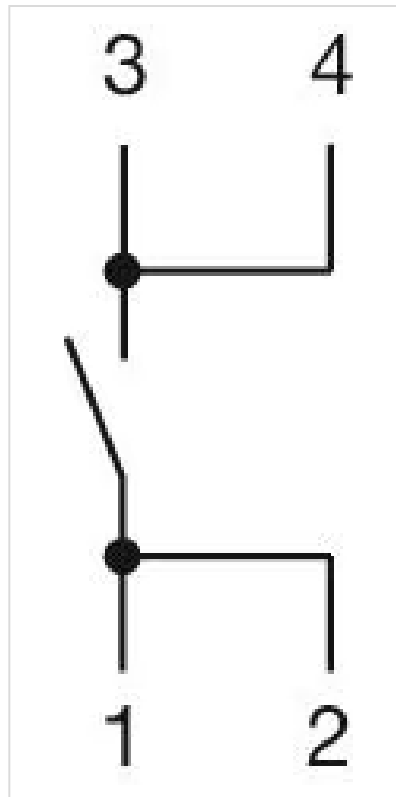
OTHER

Short Description: Switching element, Short-travel element, 42 V @ 0,1 A, Gold, 1 NO, PCB terminal

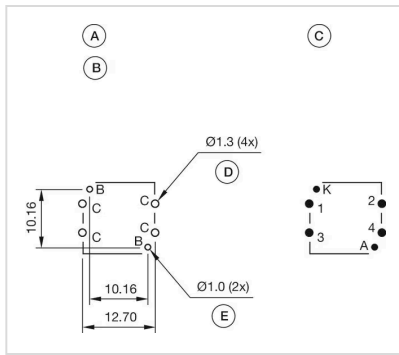
Material: Plastic

Hints: The customer has to decide what series resistor shall be used to the LED, LED and mounting flange to be ordered separately

Wiring diagrams:

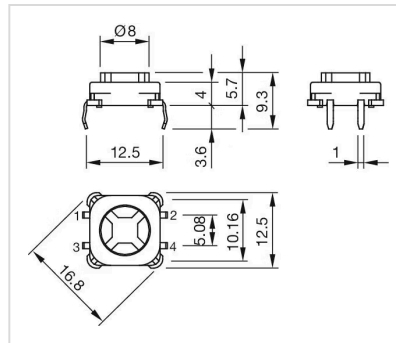


Component layouts:













A = Switching element with illumination
 B = Single LED
 C = Drilling plan (component side)
 D = Hole for switching element, pad max. $\varnothing 2.5$ mm
 E = Hole for LED

Dimension drawings:



Where to Buy

	Distributor	Quantity in Stock	
	Sager	6350 in stock	Buy 
	element14 Singapore	1515 in stock	Buy 
	DigiKey	1250 in stock	Buy 
	Mouser Electronics	468 in stock	Buy 
	Farnell UK	425 in stock	Buy 

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