

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 CHARATERISTIC

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

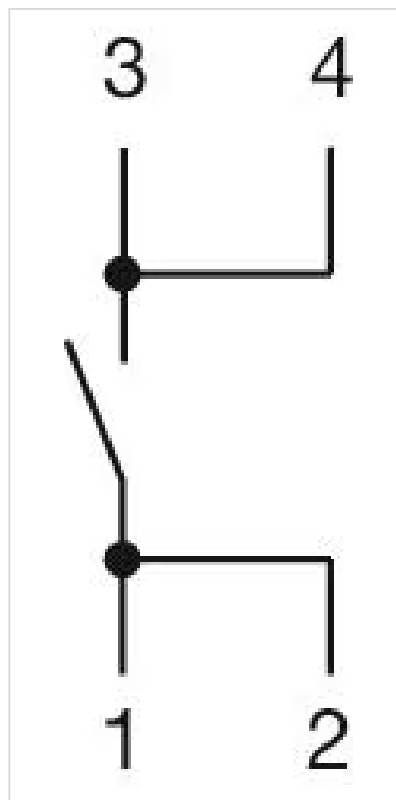
OTHER

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

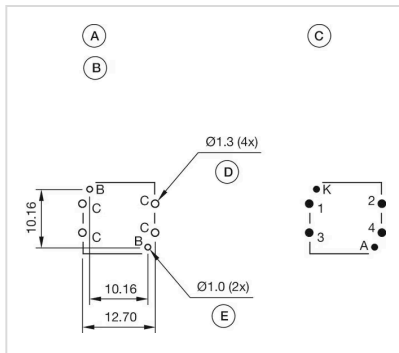
Material: Plastic

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:

