Your Expert Partner for **Human Machine Interfaces**

Switching element

Distribution by
Rs-online

92-851.342



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Your product:



92-851.342
Switching element

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

Switching voltage	min. 50 m VAC/DC max. 42 VAC/DC
Switching current	min. 10 µA AC/DC max. 100 mA AC/DC
Power rating	max. 2 W

Contacts: 1 NO

Switching rating: 42 V @ 0,1 A

Electrical lifetime: ≥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 CHARACTERISTICS

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: ≥1 Mil. cycles of operation (switching element under overlay), ≥5 Mil. cycles of operation (switching element without overlay)

Operating force: 2.7 N ±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

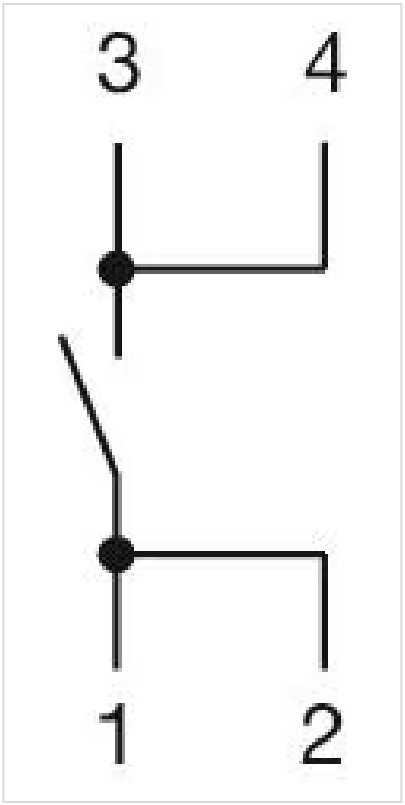
CERTIFICATE

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

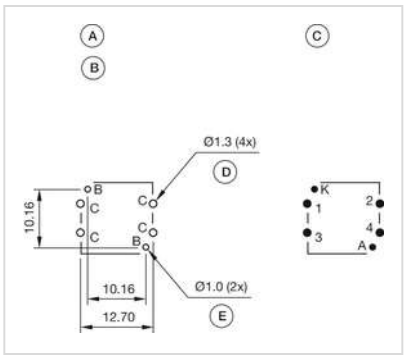
OTHER

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. Ø 2.5 mm
E = Hole for LED

Dimension drawings:

