

Switching element

70-101.0







70-101.0 Switching element

ELECTRICAL CHARACTERISTICS

Switching voltage and switching

current:

max. 12 VDC, 50 mA min. 1 VDC, 10 mA

Contacts: 1 NO

Switching rating: 42 V @ 0,1 A

Electrical lifetime: 500 000 cycles of operation at 5VDC, 1mA

Electric strength: 250 VAC, 1 minute

MECHANICAL CHARACTERISTICS

Terminal: PCB terminal

Contact material: Silver

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: 500 000 cycles of operation with decor foil

Operating force: 5 N ±2 N with decor foil, >50 N max. on button centre with test plunger, according

to DIN 42115

Operating Travel: 0.3 mm

Weight: 0.001 kg

AMBIENT CONDITION

IP Protection: IP65 (front side with overlay foil)

Operating temperature: $-20 \, ^{\circ}\text{C} \, ... + 70 \, ^{\circ}\text{C}$

CERTIFICATE

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

REACH: REACH compliant

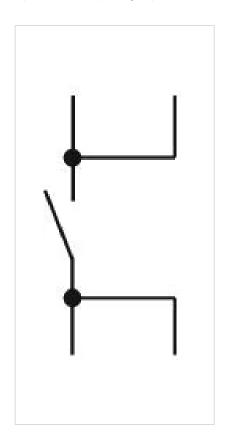
RoHS: RoHS compliant

OTHER

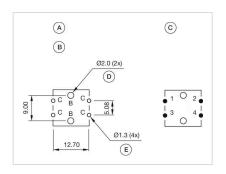
Short Description: Switching element, Short-travel element, 42 V @ 0,1 A, Silver, 1 NO, PCB terminal

Product attributes: Operation with spacing cap

Wiring diagrams:



Component layouts:



A = Switching element without illumination with

B = Drilling plan (component side)

C = Occupancy plan (component side)

D = Hole for centering pins non-metallic

E = Hole for switching element

Dimension drawings:

