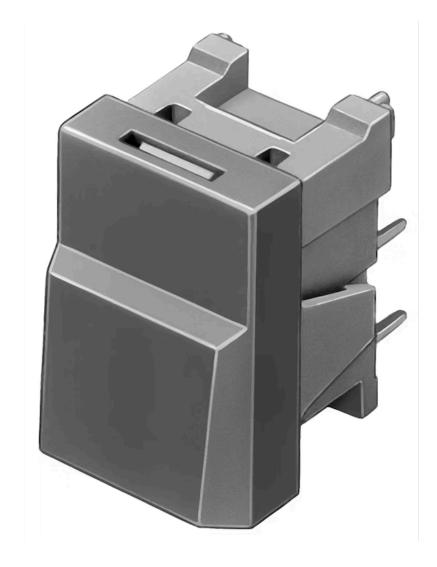


# Switching element

Distribution by DigiKey



96-323.837





## Your product:



# 96-323.837 Switching element

#### **PRODUCT RANGE**

Product Status: Phase-out

#### **ELECTRICAL CHARACTERISTICS**

Contacts: 1 C

**Contact resistance:** New state  $\leq$  100 m $\Omega$ , as per DIN / IEC 60512-2-2b

Switching rating: 42 V DC @ 0,1 A

**Electrical lifetime:** ≥5 x 100 000 cycles of operation at 30 VDC, 100 mA, according to IEC 61058-1

Electric strength: 500 VAC, 50 Hz, 1 minute, as per IEC 60512-2-11 between all terminals and earth

Thermal current Ith: 100 mA

#### **MECHANICAL CHARACTERISTICS**

**Terminal:** PCB terminal

Contact material: Gold

**Switching system:** Snap-action switching element

Switching system: Single-break, self-cleaning, snap-action switching element with tactile feel of

operation

**Mechanical lifetime:** ≥5 Mil. cycles of operation, according to IEC 60512-5-9a

**Operating force:** 1.4 N  $\pm$ 0.3 N

**Operating Travel:** Lead distance 1.0 mm ±0.3 mm, Total distance 1.7 mm ±0.5 mm

**Weight:** 0.002 kg

#### **AMBIENT CONDITION**

**IP front protection:** IP67, according to IEC 60529

**Operating temperature:**  $-25 \, ^{\circ}\text{C} \, ... + 85 \, ^{\circ}\text{C}$ 

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

Shock resistance: ≥30 g for 11 ms, according to IEC 60512-4-3 (Single impacts, semi-sinusoidal)

Vibration resistance: 10 g at 10 Hz...2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN

60512-4-4

#### **CERTIFICATE**

**REACH:** REACH compliant

RoHS: RoHS compliant

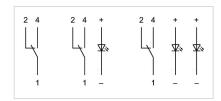
#### **OTHER**

Short Description: Switching element, Snap-action switching element, 42 V DC @ 0,1 A, Gold, 1 C,

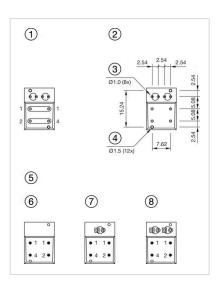
PCB terminal

Housing material: Plastic

Wiring diagrams:



**Component layouts:** 



A = Terminals (rear side)

B = Drilling plan (component side)

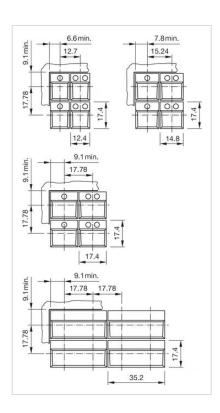
C = LED + contacts

D = Centering pins non-metallic

E = Occupancy plan (component side)

F = without LED

Mounting cut-outs:



### Dimension drawings:

