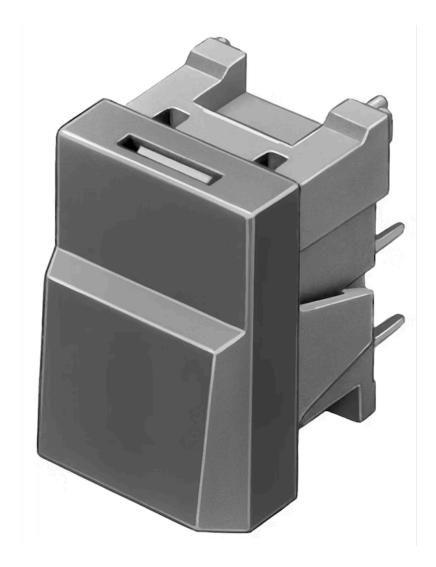


Switching element

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 Ω , 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

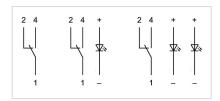
OTHER

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

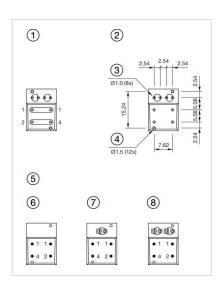
PCB terminal

Housing material: Plastic

Wiring diagrams:



Component layouts:



A = Terminals (rear side)

B = Drilling plan (component side)

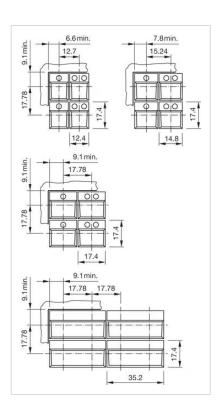
C = LED + contacts

D = Centering pins non-metallic

E = Occupancy plan (component side)

F = without LED

Mounting cut-outs:



Dimension drawings:

