Switching element

96-323.837

Your product:

96-323.837
Switching element

Product Status: Phase-out

ELECTRICAL CHARACTERISTICS

Contacts: 1 C

Contact resistance: New state ≤ 100 mΩ, 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 ±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

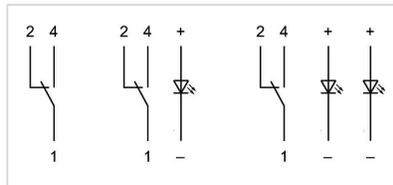|	
Operating temperature:	– 25 °C … + 85 °C
Storage temperature:	– 40 °C … + 85 °C
Shock resistance:	≥30 g for 11 ms, according to IEC 60512-4-3 (Single impacts, semi-sinusoidal)
Vibration resistance:	10 g at 10 Hz…2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4

CERTIFICATE

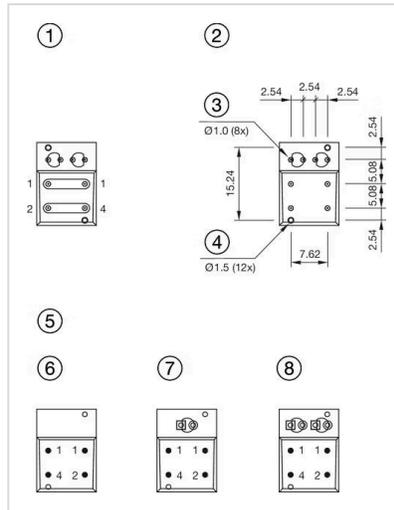|	
REACH:	REACH compliant
RoHS:	RoHS compliant

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:
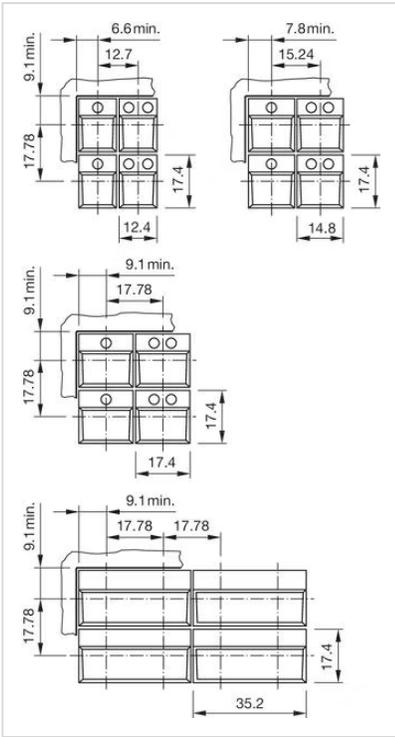

Component layouts:

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: