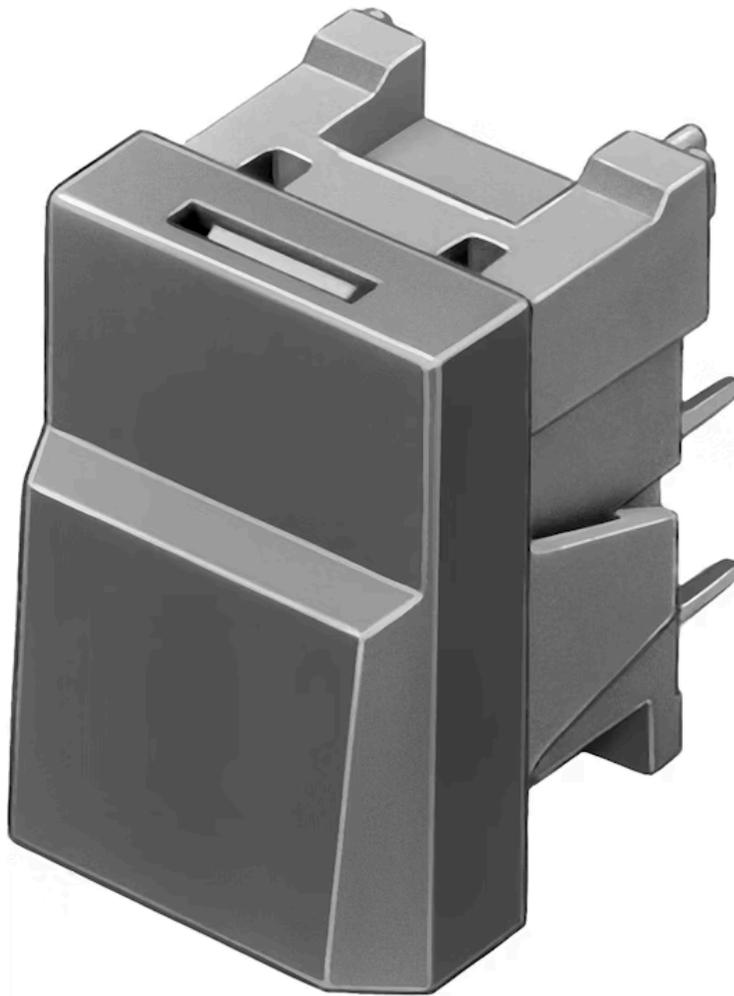


Switching element

96-323.837

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/component/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 $\leq 100 \text{ m}\Omega$, as per DIN / IEC 60512-2-2b

Switching rating: 42 V DC @ 0,1 A

Electrical lifetime: $\geq 5 \times 100\,000$ 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 I_{th}: 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: $\geq 5 \text{ Mil.}$ cycles of operation, according to IEC 60512-5-9a

Operating force: 1.4 N $\pm 0.3 \text{ N}$

Operating Travel: Lead distance 1.0 mm $\pm 0.3 \text{ mm}$, Total distance 1.7 mm $\pm 0.5 \text{ mm}$

Weight: 0.002 kg

AMBIENT CONDITION

IP front protection: IP67, according to IEC 60529

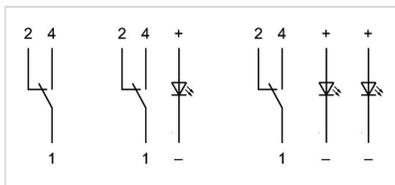
Operating temperature:	- 25 °C ... + 85 °C
Storage temperature:	- 40 °C ... + 85 °C
Shock resistance:	≥30 g for 11 ms, according to IEC 60512-4-3 (Single impacts, semi-sinusoidal)
Vibration resistance:	10 g at 10 Hz...2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4

CERTIFICATE

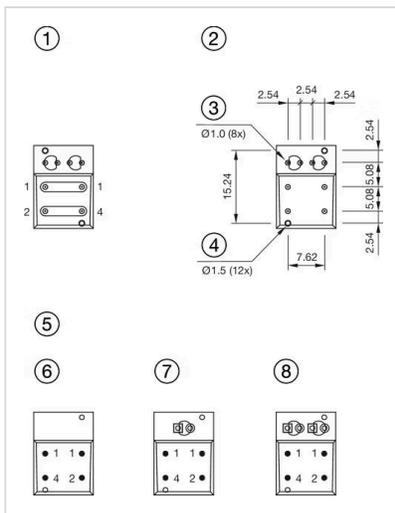
REACH:	REACH compliant
RoHS:	RoHS compliant

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:	

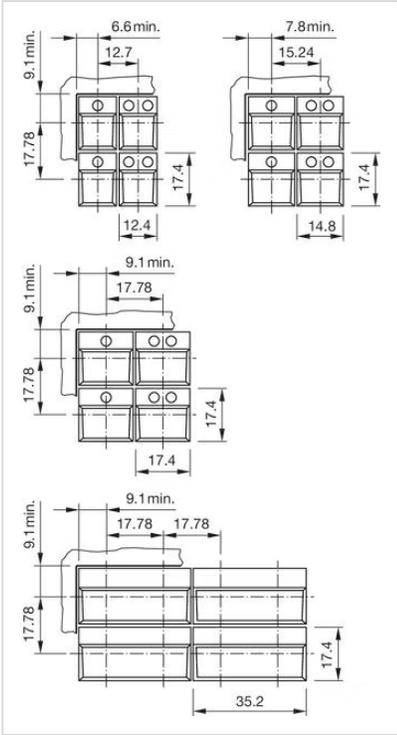


Component layouts:



- 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:

