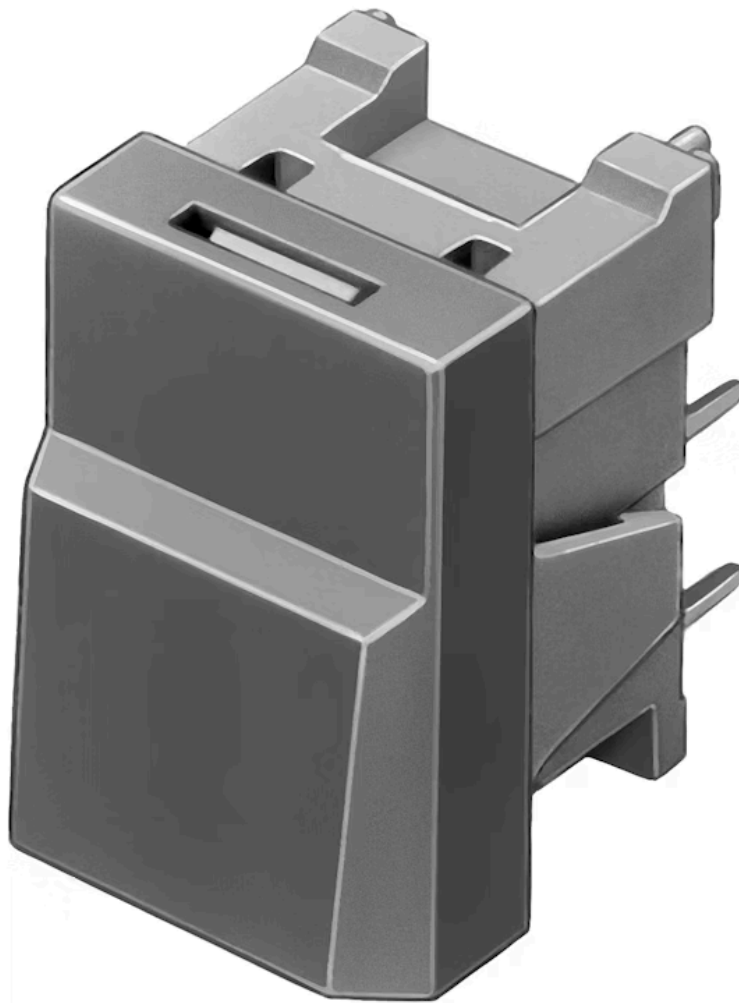


# Switching element

96-323.837

Distribution by  
Mouser



<https://mouser.eao.com/component/96-323.837/e...>

Your product:

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## 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<sub>th</sub>:** 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

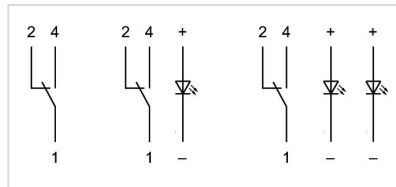
<b>Operating temperature:</b>	- 25 °C ... + 85 °C
<b>Storage temperature:</b>	- 40 °C ... + 85 °C
<b>Shock resistance:</b>	≥30 g for 11 ms, according to IEC 60512-4-3 (Single impacts, semi-sinusoidal)
<b>Vibration resistance:</b>	10 g at 10 Hz...2000 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN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

**CERTIFICATE**

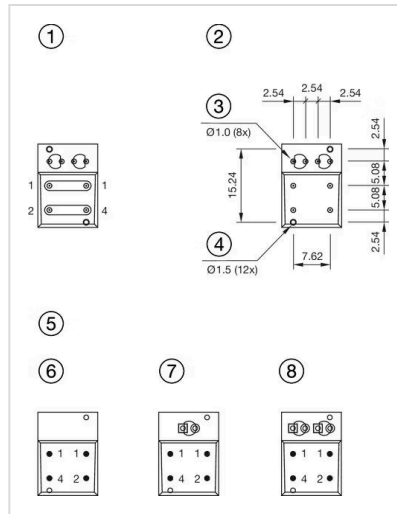
<b>REACH:</b>	REACH compliant
<b>RoHS:</b>	RoHS compliant

**OTHER**

<b>Short Description:</b>	Switching element, Snap-action switching element, 42 V DC @ 0,1 A, Gold, 1 C, PCB terminal
<b>Housing material:</b>	Plastic
<b>Wiring diagrams:</b>	

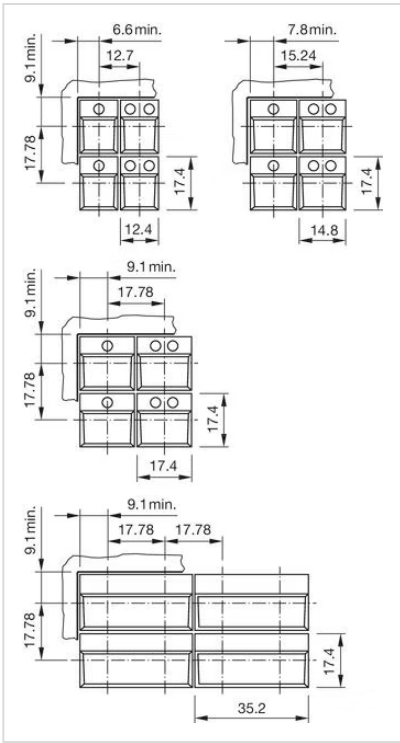


**Component layouts:**



- 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:**

