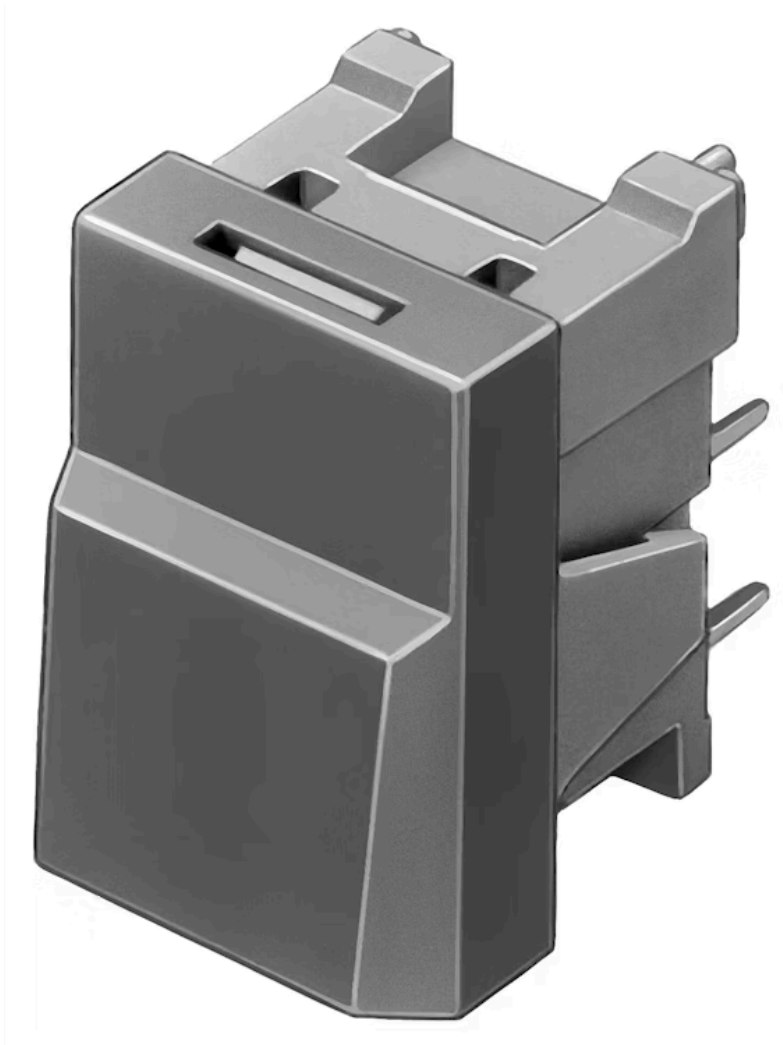


# Switching element

96-323.837



<https://www.eao.com/p/96-323.837>

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 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:**  $\geq 5 \text{ Mil.}$  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

**REACH:** REACH compliant

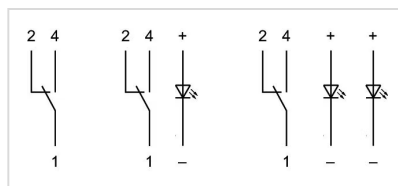
**RoHS:** RoHS compliant

## OTHER

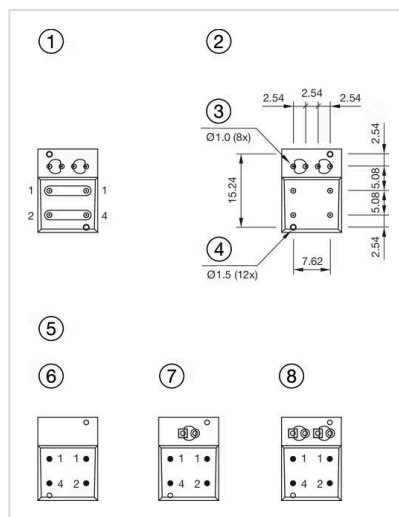
**Short Description:** Switching element, Snap-action switching element, 42 V DC @ 0,1 A, Gold, 1 C, PCB terminal

**Housing material:** Plastic

**Wiring diagrams:**

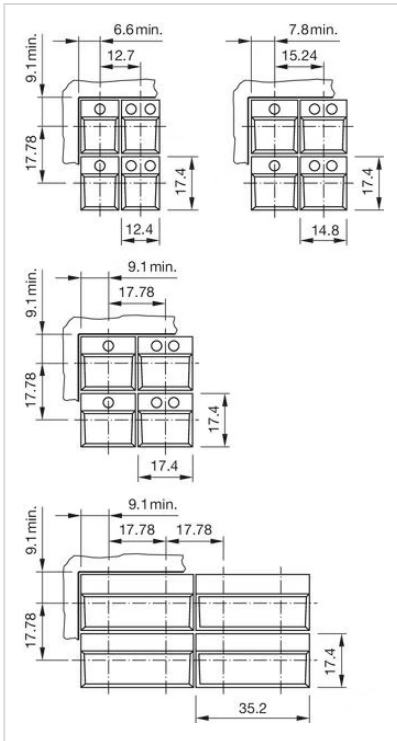


**Component layouts:**



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:**

