

# Switching element

84-8510.0020



<https://eao.com/p/84-8510.0020>

Your product:

---



## 84-8510.0020

### Switching element

#### ELECTRICAL CHARACTERISTICS

<b>Contacts:</b>	1 NO
<b>Switching voltage and switching current:</b>	Voltage 42 VAC/DC Current 100 mA Power max. 2 W
<b>Electric strength:</b>	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2

#### MECHANICAL CHARACTERISTIC

<b>Terminal:</b>	Plug-in terminal, 2.8 x 0.8 mm
<b>Operating Travel:</b>	ca. 0.5 mm
<b>Weight:</b>	0.005 kg
<b>Contact material:</b>	Gold-plated silver
<b>Switching system:</b>	Short-travel element
<b>Mechanical lifetime:</b>	≥1 Mio. cycles of operation
<b>Operating force:</b>	4.0 N ±0.2 N
<b>Switching system:</b>	Short-travel snap-action switching system with two independent contact points and tactile operation Guarantees reliable switching even of very light loads. Fitted with 1 normally open contact

#### AMBIENT CONDITION

<b>Vibration resistance:</b>	Max. 50 m / s <sup>2</sup> from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)
<b>IP Protection:</b>	IP40 rear side, standard version, IP67 rear side, fully sealed version, with mounted actuator only.
<b>Operating temperature:</b>	- 25 °C ... + 70 °C
<b>Storage temperature:</b>	- 40 °C ... + 85 °C

**Shock resistance:**

Max. 100 m / s<sup>2</sup>, pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)

**OTHER**

**Material:**

Plastic

**Short Description:**

Switching element, Short-travel element, 42 V AC/DC @ 0,1 A, Gold-plated silver, 1 NO, Plug-in terminal, 2.8 x 0.8 mm

**Hints:**

Standard version: Cable length 300 mm, Other options on request: Customisation of cable and connectors, rear side fully sealed (IP 67), Protection degree (rear side): IP 40, upgrade to IP 67 with plug Part No. 84-900 possible. With applications where strong vibrations occur, the plugs may become loose

**Wiring diagrams:**

