

Switching element

84-8510.0020

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

Your product:



84-8510.0020

Switching element

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

Voltage	42 VAC/DC
Current	100 mA
Power	max. 2 W

Contacts:

1 NO

Switching rating:

42 V AC/DC @ 0,1 A

Electric strength:

500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2

MECHANICAL CHARACTERISTICS

Terminal:

Plug-in terminal, 2.8 x 0.8 mm

Contact material:

Gold-plated silver

Switching system:

Short-travel element

Switching system:

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

Mechanical lifetime:

≥1 Mil. cycles of operation

Operating force:

4.5 N ±1 N (measured at the lens)

Operating Travel:

ca. 0.5 mm

Weight:

0.005 kg

AMBIENT CONDITION

IP Protection:

IP40 rear side, standard version, IP67 rear side, fully sealed version, with mounted actuator only.

Operating temperature:

– 25 °C ... + 70 °C

Storage temperature:

– 40 °C ... + 85 °C

Shock resistance:

Max. 100 m / s², pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)

Vibration resistance:

Max. 50 m / s² from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)

CERTIFICATE**REACH:**

REACH compliant

RoHS:

RoHS compliant

OTHER**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

Material:

Plastic

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: