Your Expert Partner for **Human Machine Interfaces**

Switching element

Distribution by DigiKey

84-8511.3320



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Your product:



84-8511.3320
Switching element

OPERATING-/INDICATION PART

Illumination colour: Orange

ELECTRICAL CHARACTERISTICS

Operating voltage: 12 V DC ±10 %

Operation current: 10 mA

Contacts: 1 NO

Switching voltage and switching current:

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

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

MECHANICAL CHARATERISTIC

Terminal: Plug-in terminal, 2.8 x 0.8 mm

Operating Travel: ca. 0.5 mm

Weight: 0.006 kg

Contact material: Gold-plated silver

Switching system: Short-travel element

Mechanical lifetime: ≥1 Mio. cycles of operation

Operating force: 4.0 N ±0.2 N

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

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
Vibration resistance:	Max. 50 m / s^2 from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)
Shock resistance:	Max. 100 m / s^2, 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:	LED and built-in resistor included,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 occure, the plugs may become loose,Luminosity and wave length variations caused by LED manufacturing processes may cause slight differences regarding the illumination. The customer has to decide what resistor shall be used to the LED

Wiring diagrams:

