

Switching element

84-8511.6620

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Farnell



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Your product:



84-8511.6620

Switching element

OPERATING-/INDICATION PART

Illumination colour: Blue

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	Voltage	42 VAC/DC
	Current	100 mA
	Power	max. 2 W

Contacts: 1 NO

Operating voltage: 24 V DC $\pm 10\%$

Operation current: 10 mA

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: 0.006 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 / s ² , pulse width, 3-axis (sinusoidal EN IEC 60068-2-27)
Vibration resistance:	Max. 50 m / s ² 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:	<p>LED and built-in resistor included</p> <p>Standard version: Cable length 300 mm</p> <p>Other options on request: Customisation of cable and connectors, rear side fully sealed (IP 67)</p> <p>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</p> <p>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</p>
Wiring diagrams:	

3

X2+



4

X1-