Your Expert Partner for **Human Machine Interfaces**

Switching element

84-8510.0020



https://www.eao.com/component/84-8510.0020/en...

Downloaded from Arrow.com.

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

Forward voltage:

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

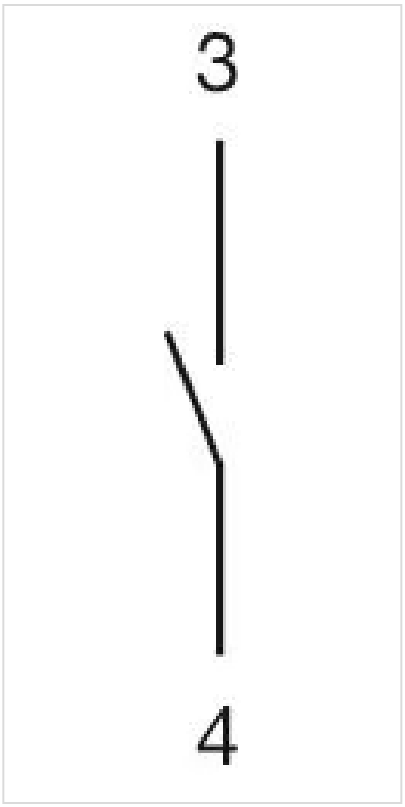
Downloaded from Arrow.com.

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

Approbations:	UL
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 occure, the plugs may become loose Operating voltage: UL max. 35 VDC – Class 2 For use on a flat surface of a Type 4X enclosure – FOR INDOOR USE ONLY
Wiring diagrams:	

Downloaded from Arrow.com.