

Switching element

84-8510.0020







84-8510.0020 Switching element

42 VAC/DC

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

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

Voltage

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: $-25 \, ^{\circ}\text{C} \, ... + 70 \, ^{\circ}\text{C}$

Storage temperature: $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$

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

Vibration resistance:

Max. 50 m / $\rm s^2$ 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: 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

Wiring diagrams:

