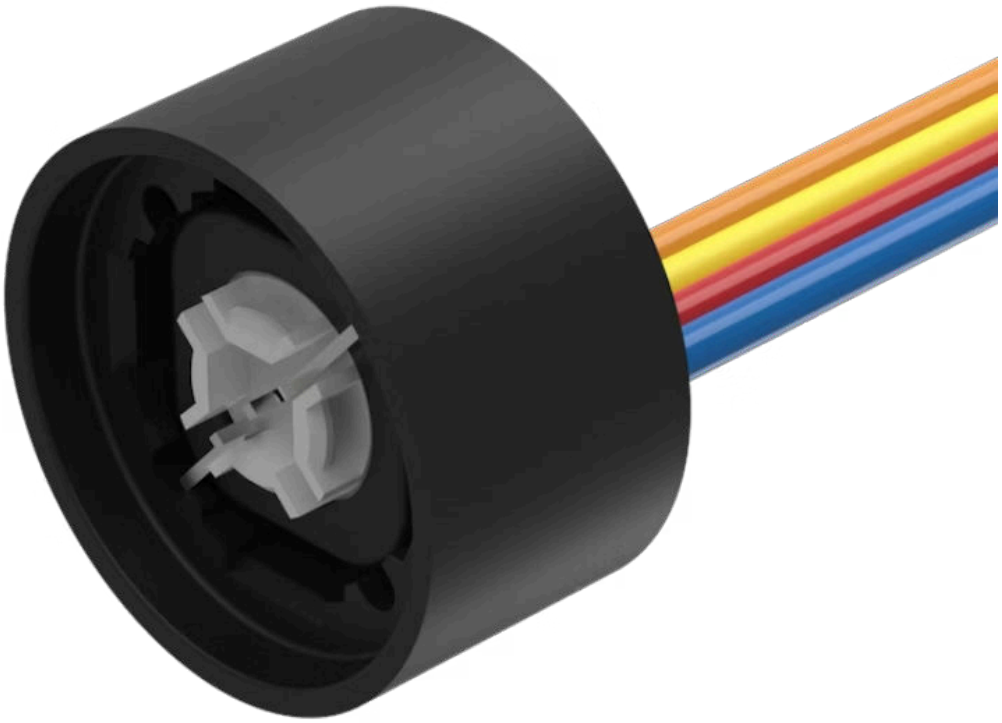
Your Expert Partner for **Human Machine Interfaces**

Switching element

Distribution by
Rs-online

84-8510.0040



https://rs-online.eao.com/component/84-8510.0...

Your product:



84-8510.0040
Switching element

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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: Flat ribbon cable

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 / 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

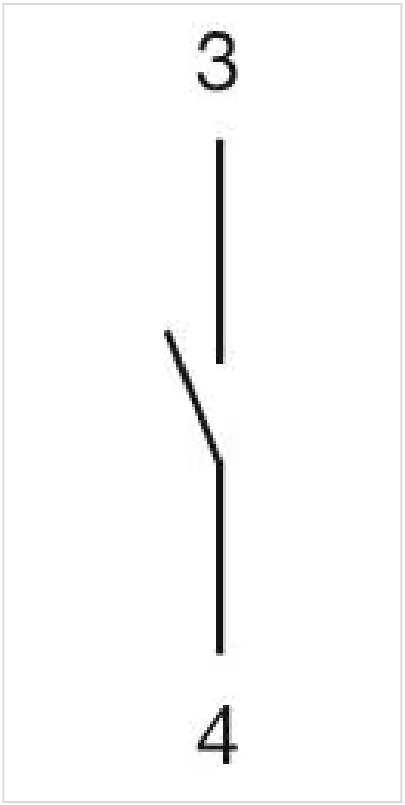
OTHER

Short Description: Switching element, Short-travel element, 42 V AC/DC @ 0,1 A, Gold-plated silver, 1 NO, Flat ribbon cable

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:



Component layouts:

