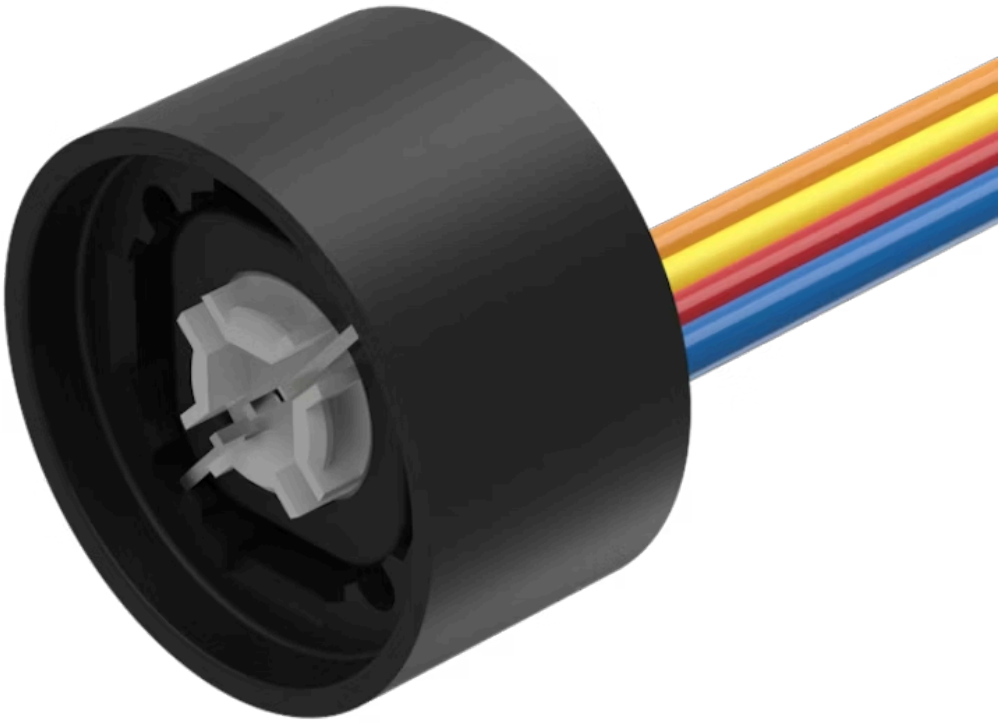
Your Expert Partner for **Human Machine Interfaces**

Switching element

Distribution by DigiKey

84-8510.0040



https://digikey.eao.com/component/84-8510.004...

Your product:

84-8510.0040
Switching element

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:	0.01 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

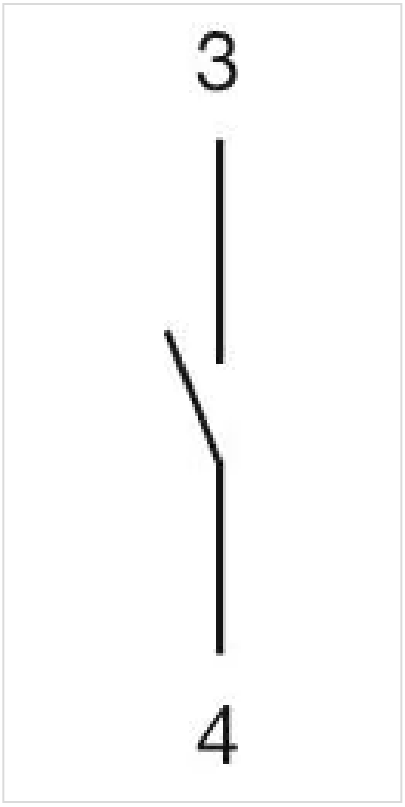
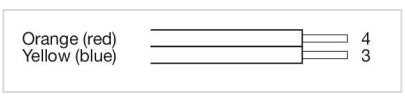
OTHER

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: