Your Expert Partner for **Human Machine Interfaces**

Switching element

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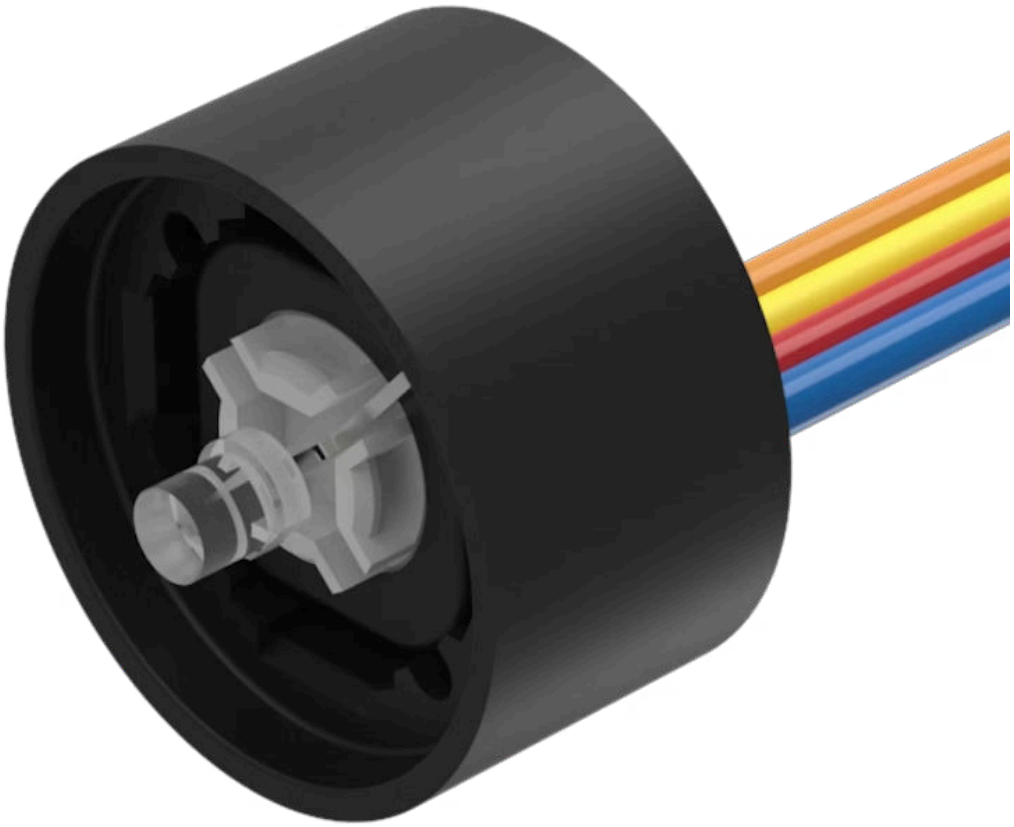
84-8515.8640



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Your product:



84-8515.8640
Switching element

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OPERATING-/INDICATION PART

Illumination colour: Red / Green

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 ±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: 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

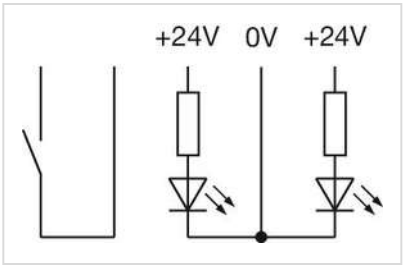
Kind of illlumination: Bi-colour-LED

Material: Plastic

Hints:

LED and built-in resistor included
Cabel connection IP 67, rear side fully sealed. The illumination element of the cable version cannot be disconnected from the actuator any longer
Best illumination level will be reached with aluminium lens with spot, Part No. 84-7215.x00 and 84-7211.x00
Standard version: Cable length 300 mm
Other options on request: Customisation of cable and connectors, rear side fully sealed (IP 67)
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

Wiring diagrams:



Component layouts:

