

IT 10

Inductive sensor in cubic housing

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SENSEPART

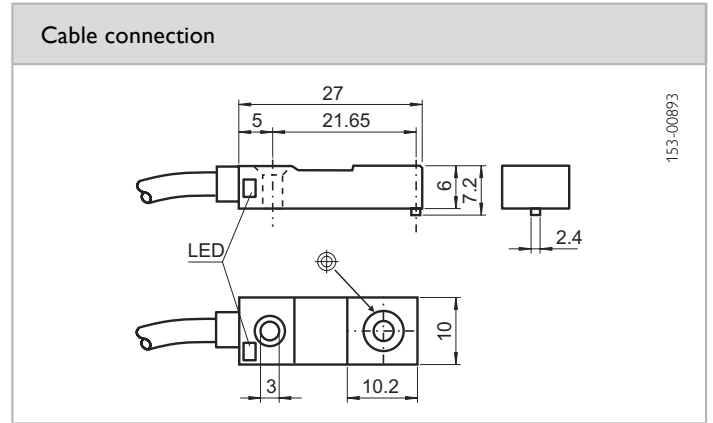
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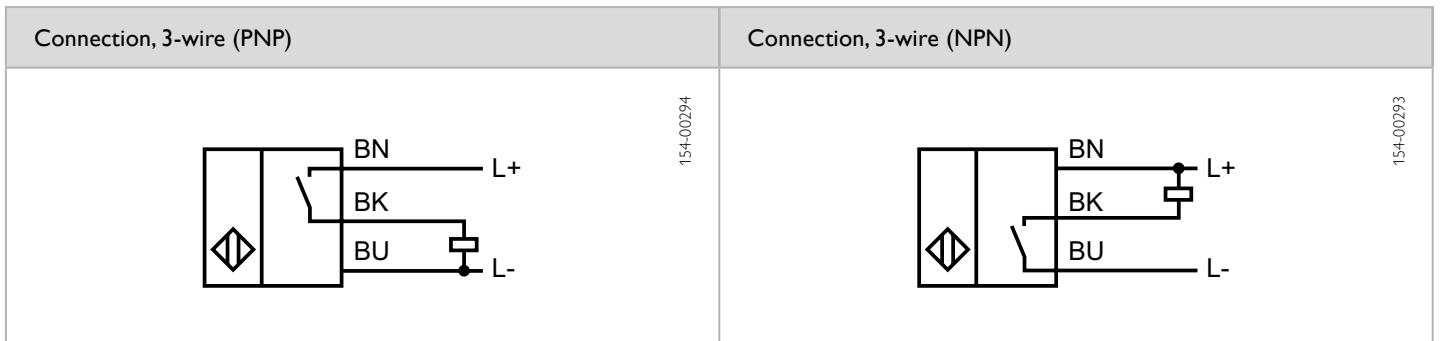
CE



Sensor data		Functions	
Switching distance	4 mm	Indicator LED, yellow	Switching output indicator
Ensured switching distance	0 ... 3.24 mm		
Hysteresis	~ 5 %		
Reduction factor; Al	0,4		
Reduction factor; Cu	0,3		
Reduction factor; V2A	0,7		
Electrical data		Mechanical data	
Operating voltage, +U _B	10 ... 30V DC	Dimensions	27 x 7.2 x 10 mm
No-load current, I ₀	≤ 10 mA	Enclosure rating	IP 67 ¹
Output current, I _e	≤ 100 mA	Material, housing	PPS
Voltage drop, U _D	≤ 3V	Material, front surface	PPS
Residual current, I _r	≤ 0.5 mA	Type of connection	See Selection Table
Protective circuits	Reverse-polarity protection, U _B / short-circuit protection (Q) ²	Ambient temperature: operation	-25 ... +70 °C
Switching output, Q	PNP / NPN (see Selection Table)	Vibration and impact resistance	EN 60947-5-2
Output function	N.O.		
Switching frequency, f (ti/tp 1:1)	≤ 1000 Hz		

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¹With connected IP 67 plug ²PNP variants only



Switching distance	Mounting	Switching output	Type of connection	Part number	Article number
4 mm	Non-flush	PNP	Cable, 2 m, 3-wire	IT 10-4N-PS-K3	697-01070
4 mm	Non-flush	NPN	Cable, 2 m, 3-wire	IT 10-4N-NS-K3	697-01071