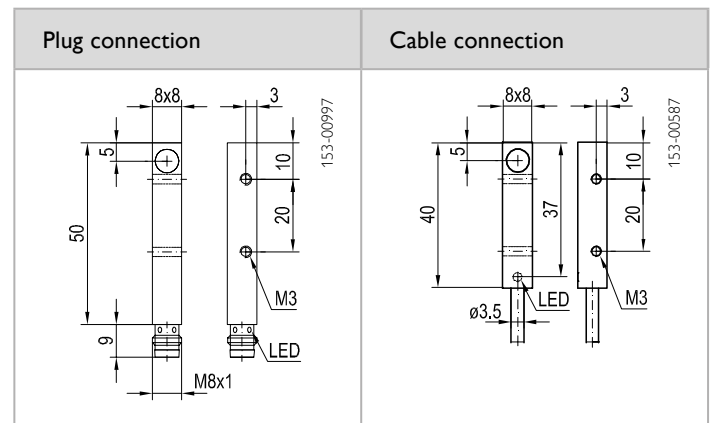


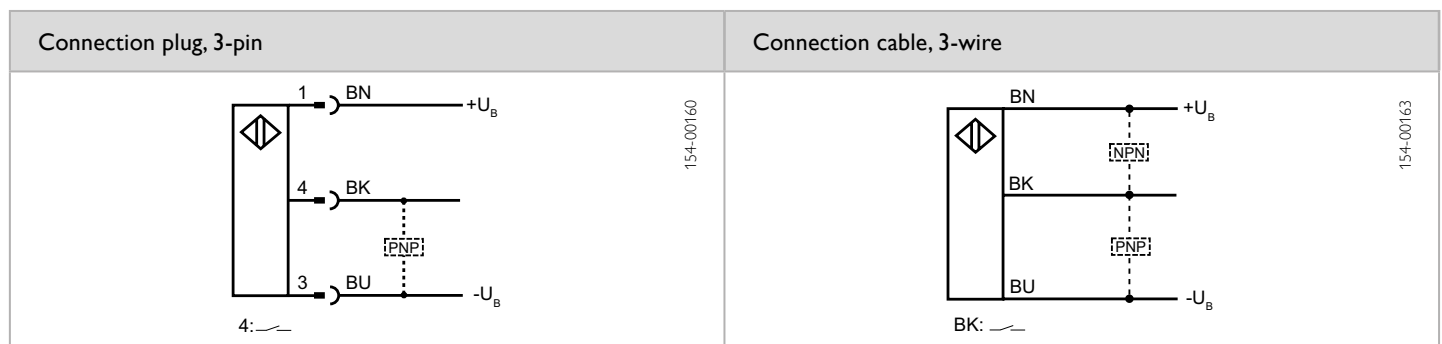
Inductive sensor in cubic housing



Sensor data		Functions	
Switching distance	3 mm	Indicator LED, yellow	Switching output indicator
Repeatability	0.15 mm ¹		
Hysteresis	≤ 10 % ²		
Reduction factor, Al	0.36		
Reduction factor, Cu	0.27		
Reduction factor, V2A	0.77		
Reduction factor, steel FE 360	1.00		
Reduction factor, brass	0.45		
Electrical data		Mechanical data	
Operating voltage, +U _B	10 ... 30V DC ³	Dimensions (plug device)	8 × 8 × 59 mm
No-load current, I ₀	≤ 10 mA	Dimensions (cable device)	8 × 8 × 40 mm
Output current, I _e	≤ 200 mA	Mounting	Quasi-flush
Voltage drop, U _D	≤ 2V at 200 mA	Enclosure rating	IP 67 ⁴
Protective circuits	Reverse-polarity protection, U _B / short-circuit protection (Q) / induction protection	Material, housing	Zamac, chrome-plated
Switching output, Q	PNP	Material, front surface	PBTP
Output function	N.O.	Type of connection	See Selection Table
Switching frequency, f (ti/tp 1:1)	≤ 1000 Hz	Ambient temperature: operation	-25 ... 70 °C
		Vibration and impact resistance	IEC 60947-5-2 / 7.4

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¹ U_B = 20 ... 30V DC, T_A = 23 °C ± 5 °C ² Refers to switching distance ³ Max. 20 % ripple, within U_B ⁴ With connected IP 67 plug



Switching distance	Switching output	Type of connection	Part number	Article number
3 mm	PNP	Plug, M8x1, 3-pin	IS 588-02-X	996-51280
3 mm	PNP	Cable, 2 m, 3-wire	IS 588-02	996-50589
3 mm	NPN	Cable, 2 m, 3-wire	IS 588-01	996-50650