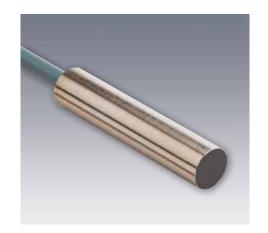
Inductive sensor

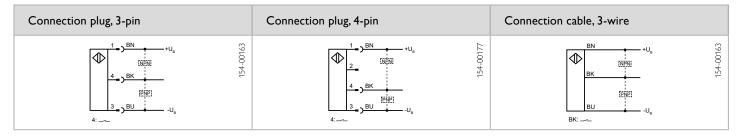




Plug connection (M8x1)	Plug connection (M12x1)	Cable connection		
06.5 ELED 08 LED M8x1	98. 06.5 FEED 08. 010.5 M12x1	83.5 83.5 2183-00312		

Sensor data		Functions			
Switching distance Repeatability Hysteresis Reduction factor, Al Reduction factor, Cu Reduction factor, V2A Reduction factor, steel FE 360 Reduction factor, brass	3 mm 0.15 mm ¹ ≤ 10 % ² 0.26 0.18 0.67 1.00 0.35	Indicator LED, yellow	Switching output indicator		
Electrical data		Mechanical data			
Operating voltage, +U _B No-load current, I _O Output current, Ie Voltage drop, U _D Protective circuits Switching output, Q Output function Switching frequency, f (ti/tp 1:1)	10 30 V DC³ ≤ 10 mA ≤ 200 mA ≤ 2 V at 200 mA Reverse-polarity protection, U _B / Short-circuit protection (Q) / induction protection PNP / NPN (see Selection Table) N.O. ≤ 1000 Hz	Dimensions Mounting Enclosure rating Material, housing Material, front surface Type of connection Ambient temperature: operation Vibration and impact resistance	See Selection Table Quasi-flush IP 67 ⁴ Brass, chrome-plated PBTP See Selection Table -25 +70 °C IEC 60947-5-2 / 7.4		

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



Switching output	Dimensions	Type of connection	Part number	Article number
PNP	Ø 6.5 × 60 mm	Plug, M8×1, 3-pin	IS 56-12	996-50586
NPN	Ø 6.5 x 60 mm	Plug, M8×1, 3-pin	IS 56-11 T	996-50632
PNP	Ø 6.5 x 66 mm	Plug, M12×1, 4-pin	IS 56-42	996-09963
NPN	Ø 6.5 x 66 mm	Plug, M12×1, 4-pin	IS 56-41	996-50390
PNP	Ø 6.5 x 45 mm	Cable, 2 m, 3-wire	IS 56-02	996-09409
NPN	Ø 6.5 x 45 mm	Cable, 2 m, 3-wire	IS 56-01	996-09408
	PNP NPN PNP NPN PNP	PNP Ø 6.5 x 60 mm NPN Ø 6.5 x 60 mm PNP Ø 6.5 x 66 mm NPN Ø 6.5 x 66 mm PNP Ø 6.5 x 45 mm	PNP Ø 6.5 x 60 mm Plug, M8x1, 3-pin NPN Ø 6.5 x 60 mm Plug, M8x1, 3-pin PNP Ø 6.5 x 66 mm Plug, M12x1, 4-pin NPN Ø 6.5 x 66 mm Plug, M12x1, 4-pin PNP Ø 6.5 x 45 mm Cable, 2 m, 3-wire	PNP Ø 6.5 × 60 mm Plug, M8x1, 3-pin IS 56-12 NPN Ø 6.5 × 60 mm Plug, M8x1, 3-pin IS 56-11T PNP Ø 6.5 × 66 mm Plug, M12x1, 4-pin IS 56-42 NPN Ø 6.5 × 66 mm Plug, M12x1, 4-pin IS 56-41 PNP Ø 6.5 × 45 mm Cable, 2 m, 3-wire IS 56-02