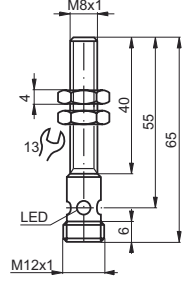
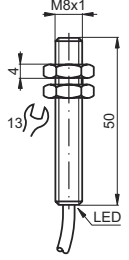


# IMT 8-1

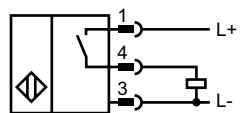
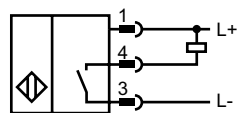
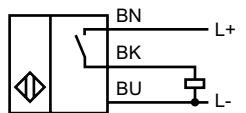
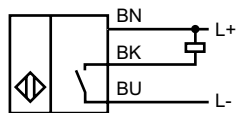
Inductive sensor



Plug connection	Cable connection
	
153-00863	153-00862

Sensor data		Functions	
Switching distance	1.5 mm	Indicator LED, yellow	Switching output indicator
Ensured switching distance	0 ... 1.215 mm		
Reduction factor; AI	0.45		
Reduction factor; Cu	0.35		
Reduction factor; V2A	0.75		
Electrical data		Mechanical data	
Operating voltage, +U <sub>B</sub>	10 ... 30V DC	Dimensions (plug device)	M8 x 65 mm
No-load current, I <sub>0</sub>	≤ 15 mA	Dimensions (cable device)	M8 x 50 mm
Operating current, I <sub>I</sub>	≤ 100 mA	Mounting	Flush
Voltage drop, U <sub>D</sub>	≤ 3V	Enclosure rating	IP 67 <sup>1</sup>
Protective circuits	Reverse-polarity protection, U <sub>B</sub> / short-circuit protection (Q)	Material, housing (plug device)	Brass, nickel-plated
Switching output, Q	PNP / NPN (see Selection Table)	Material, housing (cable device)	Brass
Output function	N.O.	Material, front surface	LCP
Switching frequency, f (ti/tp 1:1)	≤ 1500 Hz	Type of connection	See Selection Table
		Ambient temperature: operation	-25 ... +70 °C

<sup>1</sup>With connected IP 67 plug

Connection plug, 3-pin (PNP) <sup>2</sup>	Connection plug, 3-pin (NPN) <sup>2</sup>	Connection cable, 3-wire (PNP)	Connection cable, 3-wire (NPN)
			
154-00294	154-00293	154-00294	154-00293

<sup>2</sup> Plug M12x1 3-pin is compatible with M12x1 4- or 5-pin sockets

Switching distance	Switching output	Type of connection	Part number	Article number
1.5 mm	PNP	Plug, M12x1, 3-pin <sup>2</sup>	IMT 8-1B5-PS-L4	697-01011
1.5 mm	NPN	Plug, M12x1, 3-pin <sup>2</sup>	IMT 8-1B5-NS-L4	697-01010
1.5 mm	PNP	Cable, 2 m, 3-wire	IMT 8-1B5-PS-K3	697-01009
1.5 mm	NPN	Cable, 2 m, 3-wire	IMT 8-1B5-NS-K3	697-01008