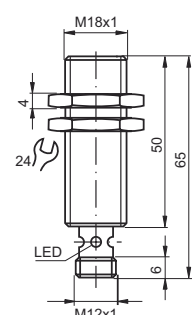
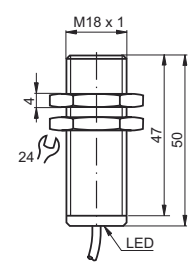


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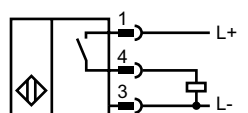
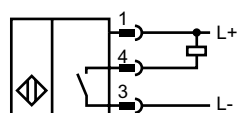
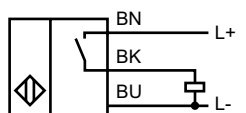
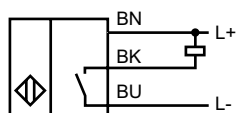
Inductive sensor



Plug connection	Cable connection
	

Sensor data		Functions	
Switching distance	5 mm	Indicator LED, yellow	Switching output indicator
Ensured switching distance	0 ... 4.05 mm		
Reduction factor; Al	0.30		
Reduction factor; Cu	0.30		
Reduction factor; V2A	0.70		
Electrical data		Mechanical data	
Operating voltage, +U _B	10 ... 30V DC	Dimensions (plug device)	M18 x 65 mm
No-load current, I ₀	≤ 20 mA	Dimensions (cable device)	M18 x 50 mm
Operating current, I _I	≤ 200 mA	Mounting	Flush
Voltage drop, U _D	≤ 3 V	Enclosure rating	IP 67 ¹
Protective circuits	Reverse-polarity protection, U _B / short-circuit protection (Q)	Material, housing	Brass, nickel-plated
Switching output, Q	PNP / NPN (see Selection Table)	Material, front surface	PBT
Output function	N.O.	Type of connection	See Selection Table
Switching frequency, f (ti/tp 1:1)	≤ 800 Hz	Ambient temperature: operation	-25 ... +70 °C

¹ With connected IP 67 plug

Connection plug, 3-pin (PNP) ²	Connection plug, 3-pin (NPN) ²	Connection cable, 3-wire (PNP)	Connection cable, 3-wire (NPN)
			

² Plug M12x1 3-pin is compatible with M12x1 4- or 5-pin sockets

Switching distance	Switching output	Type of connection	Part number	Article number
5 mm	PNP	Plug, M12x1, 3-pin ²	IMT 18-5B-PS-L4	697-01027
5 mm	NPN	Plug, M12x1, 3-pin ²	IMT 18-5B-NS-L4	697-01026
5 mm	PNP	Cable, 2 m, 3-wire	IMT 18-5B-PS-K3	697-01025
5 mm	NPN	Cable, 2 m, 3-wire	IMT 18-5B-NS-K3	697-01024