

IT 12

Inductive sensor in cubic housing

Sold & Serviced By:



Toll Free Phone (877) SERV098

www.electromate.com

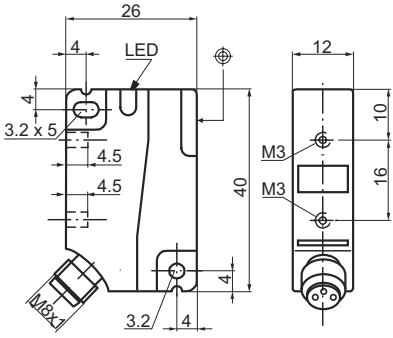
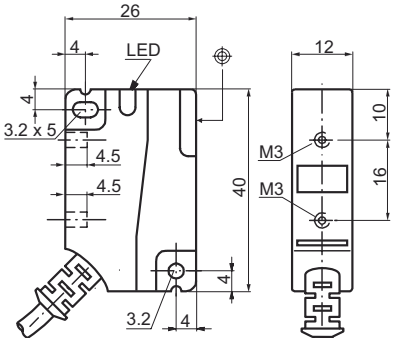
sales@electromate.com

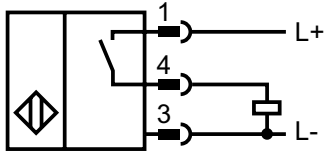
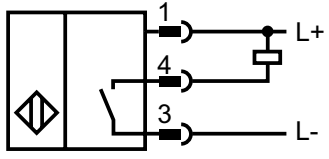


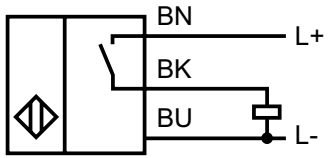
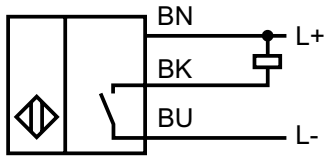
Sensor data		Functions	
Switching distance (Flush)	4 mm	Indicator LED, yellow	Switching output indicator
Ensured switching distance (Flush)	0 ... 3.24 mm		
Switching distance (Non-flush)	8 mm		
Ensured switching distance (Non-flush)	0 ... 6.48 mm		
Hysteresis	~ 5 %		
Reduction factor; AI	0.3		
Reduction factor; Cu	0.2		
Reduction factor; V2A	0.7		
Electrical data		Mechanical data	
Operating voltage, +U _B	10 ... 30V DC	Dimensions	40 x 26 x 12 mm
No-load current, I ₀	≤ 15 mA	Enclosure rating	IP 67 ¹
Output current, I _e	≤ 250 mA	Material, housing	PA
Voltage drop, U _D	≤ 2.5 V	Material, front surface	PA
Residual current, I _r	≤ 0.01 mA	Type of connection	See Selection Table
Protective circuits	Reverse-polarity protection, U _B / short-circuit protection (Q)	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)	≤ 1400 Hz		

¹With connected IP 67 plug

Switching distance	Mounting	Switching output	Type of connection	Part number	Article number
4 mm	Flush	PNP	Plug, M8x1, 3-pin	IT 12-4B-PS-M3	697-01063
4 mm	Flush	NPN	Plug, M8x1, 3-pin	IT 12-4B-NS-M3	697-01062
4 mm	Flush	PNP	Cable, 2 m, 3-wire	IT 12-4B-PS-K3	697-01061
4 mm	Flush	NPN	Cable, 2 m, 3-wire	IT 12-4B-NS-K3	697-01060
8 mm	Non-flush	PNP	Plug, M8x1, 3-pin	IT 12-8N-PS-M3	697-01067
8 mm	Non-flush	NPN	Plug, M8x1, 3-pin	IT 12-8N-NS-M3	697-01066
8 mm	Non-flush	PNP	Cable, 2 m, 3-wire	IT 12-8N-PS-K3	697-01065
8 mm	Non-flush	NPN	Cable, 2 m, 3-wire	IT 12-8N-NS-K3	697-01064

Plug connection	Cable connection
 <p style="text-align: right;">153-00889</p>	 <p style="text-align: right;">153-00888</p>

Connection plug, 3-pin (PNP)	Connection plug, 3-pin (NPN)
 <p style="text-align: right;">154-00294</p>	 <p style="text-align: right;">154-00293</p>

Connection cable, 3-wire (PNP)	Connection cable, 3-wire (NPN)
 <p style="text-align: right;">154-00294</p>	 <p style="text-align: right;">154-00293</p>