



INDUCTIVE PROXIMITY SENSORS

SMALL DIAMETER—5 AND 8 mm

**E57 Series
Starts at
\$74**



- Small 5 and 8 mm Diameters for Use in Applications with Limited Space for Mounting Sensors
- Stainless Steel or Ni-Brass Housings
- All Models Include an LED Indicator to Show Output Status
- Short Circuit and Reverse Polarity Protection
- Rated NEMA 4, 4X, 6, 6P, 12 and 13 (IP67) for High Resistance to Environmental Factors

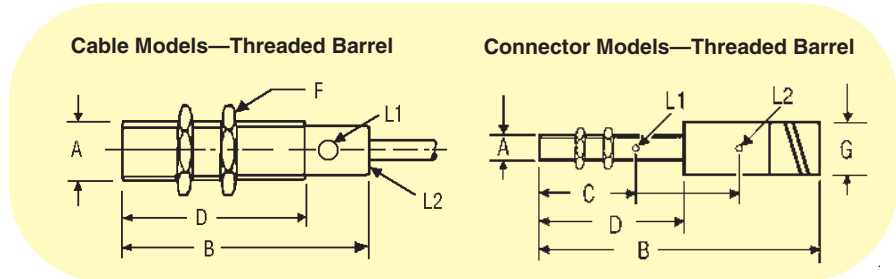
Applications

- Automation Equipment
- Robotics
- Machine Tool
- Counting
- Sorting

These unique Cutler-Hammer® Inductive Proximity Sensors are designed to be used in extremely small spaces. A wide variety of models are available with housing diameters of 8 mm (0.31") and a very small 5 mm (0.20"), allowing you to choose the one that best fits your application. The sensors are 3-wire devices that operate from 10 to 30 Vdc. Both shielded and unshielded versions are available.

SPECIFICATIONS

Operating Voltage: 10 to 30 Vdc
Maximum Load Current: 200 mA
Switching Frequency: 2 kHz
Leakage Current: 0.01 mA maximum
Voltage Drop: 1.5V maximum
Burden Current: 10 mA maximum
Protection Transient: Power on false pulse suppression, auto-reset short circuit



Dimensions: mm (in)

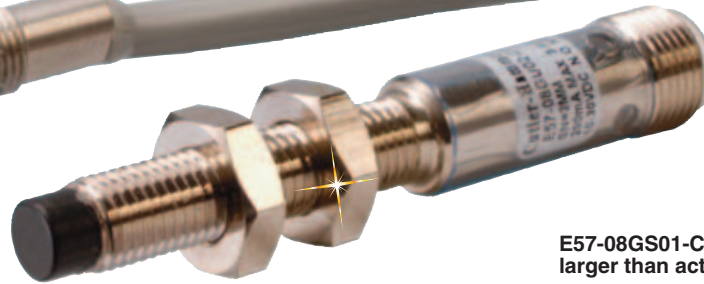
DIA A	LENGTH B	mm C	(in) D	THREAD E	NUT WIDTH F	CONNECTOR DIA G	LED LOCATION
5 mm (0.20")	25 (1.0)	—	21 (0.8)	M5 x 0.5	SW8	—	L1
8 mm (0.31") cable	30 (1.8)	—	30 (1.2)	M8 x 1	SW13	—	L2
8 mm (0.31") micro- con.	50 (2.0)	40 (1.6)	25 (1.0)	M8 x 1	SW13	1.2 (0.47)	L2

Switching Hysteresis: <15% rated sensing distance
Repeat Accuracy: <1% sensing distance
Time Delay Before Availability: <50 ms
Output Indicator LED: Lights when output is ON
Operating Temperature: -25 to 70°C (-13 to 158°F)

Enclosure Ratings: NEMA 4, 4X, 6, 6P, 12 and 13 (IP67)
Housing Material: Stainless steel or Ni plated brass
Cable: PVC high flex, oil/water resistant, 22 AWG



E57EAL5T110SP, \$104, shown larger than actual size.



E57-08GS01-CDB, \$77, shown larger than actual size.

Wiring Diagrams (Pin Numbers Are for Reference, Rely on Pin Location When Wiring)

OPERATING VOLTAGE 3-WIRE SENSORS	OUTPUT	CABLE MODELS	MICRO CONNECTOR MODELS (FACE VIEW MALE SHOWN)
10 to 30 Vdc	NO (NPN)		
	NO (PNP)		

To Order (Specify Model Number)

MOST POPULAR MODELS HIGHLIGHTED!

TYPE	MODEL NO.	PRICE	OPERATING VOLTAGE	SENSING RANGE mm (in)	SHIELDING	CONNECTION TYPE m (ft)
5 mm (0.20") Dia. End Sensing NO Output SS Case	E57EAL5T110SP	\$104	10 to 30 Vdc	0.8 (0.03)	Shielded NPN	2 (6) cable
	E57EAL5T111SP	104			Shielded PNP	
8 mm (0.31") Dia. End Sensing NO Output Ni-Brass Case	E57-08GS01-C	74	10 to 30 Vdc	1 (0.04)	Shielded NPN	2 (6) cable
	E57-08GS01-CDB	77				4-pin micro DC connector
	E57-08GS01-G	74			Shielded PNP	2 (6) cable
	E57-08GS01-GDB	77				4-pin micro DC connector
	E57-08GU02-C	74		2 (0.08)	Unshielded NPN	2 (6) cable
	E57-08GU02-CDB	80				4-pin micro DC connector
	E57-08GU02-G	74			Unshielded PNP	2 (6) cable
	E57-08GU02-GDB	80				4-pin micro DC connector
	E57-08GE03-C	86		3 (0.1) Extended Range	Shielded NPN	2 (6) cable
	E57-08GE03-CDB	89				4-pin micro DC connector
	E57-08GE03-G	86			Shielded PNP	2 (6) cable
	E57-08GE03-GDB	89				4-pin micro DC connector

Ordering Examples: E57EAL5T110SP, 5 mm (0.20") diameter prox, shielded, NPN output, 2 m (6') cable, \$104.

E57-08GU02-C, 8 mm (0.31") unshielded NPN output with 2 m (6') cable, \$74.

Accessories

MODEL NO.	PRICE	DESCRIPTION
CSDS4A4CY2202	\$20.50	DC cable, 4-pin, 22 AWG, 2 m (6') PVC jacket
E57KM8	13.00	Bracket for 8 mm (0.31") tubular sensors