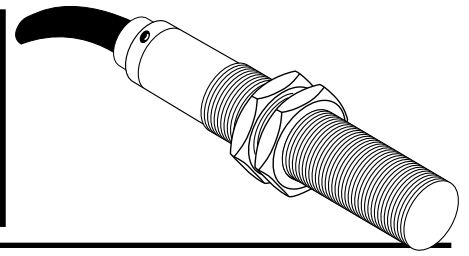


# 12mm

# Inductive Tubular Threaded Barrel

# AC



Proximity Sensors

## 2mm (Shielded) and 4mm (Unshielded) Sensing Ranges

Connector Type	Circuit Description	Housing Material	Housing Length	Shielded Model No.	Unshielded Model No.	Maximum Load Current	Leakage Current @220 VAC	Voltage Drop*	Maximum Switching Frequency		Short Circuit Protected
									Shielded	Unshielded	
<b>AC 80-250V Metal</b>											
3-pin Micro	2W, AC, NO	Metal	73mm	ET320-22420	ET320-23420	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
3-pin Micro	2W, AC, NO	Metal	86mm	ET120-22420	ET120-23420	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	54mm	ET320-22410	ET320-23410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Metal	78mm	ET120-22410	ET120-23410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
<b>AC 80-250V Plastic</b>											
6.6' Cable	2W, AC, NO	Plastic	54mm	ET320-42410	ET320-43410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no
6.6' Cable	2W, AC, NO	Plastic	75mm	ET220-22410	ET220-23410	200mA	<2.5mA	<11 VAC	25Hz	25Hz	no

\* Across conducting sensor

► Consult factory for normally closed model availability.



## Common Sensor Characteristics

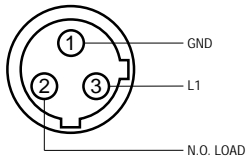
12mm DIAMETER AC SENSORS	
Shielded Sensing Range ( $\pm 10\%$ )	2mm
Unshielded Sensing Range ( $\pm 10\%$ )	4mm
Standard Target	12x12x1mm (mild steel)
Repeatability	$\pm 2\%$
Hysteresis	3-8% (typ.); 15% (max.)
Temperature Drift (max.)	$\pm 15\%$
Ambient Temperature Range	-13°F to +158°F
Reverse Polarity Protected	yes
NEMA Enclosure Type	
Metal	1, 3, 4, 6, 13
Plastic	1, 3, 4, 4x, 6, 13
LED Indicator	red = target
Metal Housings	Chrome Plated Brass
Plastic Housings	Ultradur®
Cable Type	PVC
Shipping Weight	Connector model: 4 oz. Cable model: 9 oz.

## Circuit Drawings

### MICRO CONNECTOR MODELS

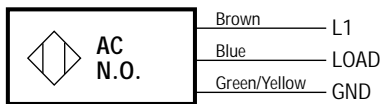
Male view shown

2 Wire AC N.O.



### CABLE MODELS

2 Wire AC N.O.

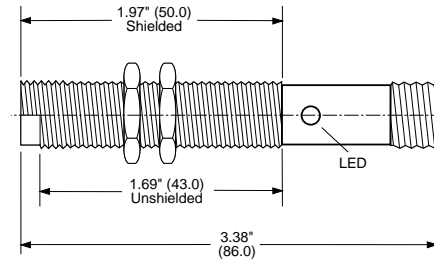
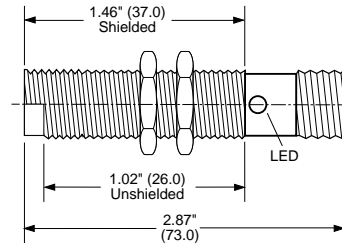


## Dimensional Drawings

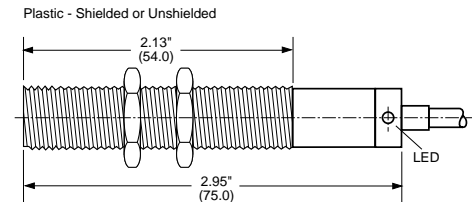
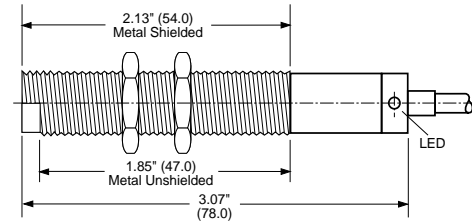
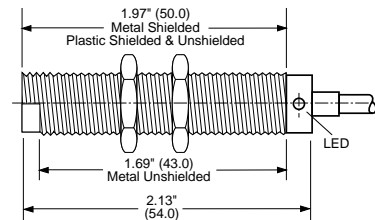
# 12mm-AC

### MICRO CONNECTOR MODELS

Body threads = M12x1



### CABLE MODELS



Proximity Sensors

# NAMCO

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