



**AC - 2 WIRE  
STANDARD SERIES  
Brass, Nickel Plated (BN),  
Cylindrical, Threaded,  
90-250V AC, 180 mA,  
1 LED for Output Energized**

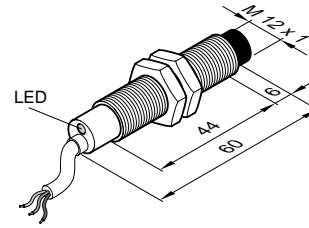
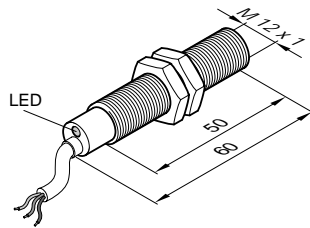
- **Most complete range of Fixed Cable and Quick Disconnect Styles**
- **Available in normally open (N.O.) and normally closed (N.C.) output configuration**
- **This series features the 360° LED viewing connector type "67"**
- **Carries C mark**

- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Temperature Range: -25 to 70°C (-13 to 158°F)

Sensing Distance	M12 Flush Mount 2mm (.08 in.)				M12 Non-Flush Mount 4mm (.16 in.)				
	Cable or Connector Style Cat. No.	Cable	62	66/67	68	Cable	62	66/67	68
Normally Open 		9952-0500	9952-0562	9952-0566 9952-0567	9952-0568	9952-0400	9952-0462	9952-0466 9952-0467	9952-0468
Normally Closed 		9952-0900		9952-0966 9952-0967	9952-0968	9952-0800		9952-0866 9952-0867	9952-0868
Voltage Range		90V-250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V
Operating Frequency		50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Supply Current		5 mA	5 mA	5 mA	5 mA	5 mA	5 mA	5 mA	5 mA
Max. Load Current		180 mA	100 mA	180 mA	180 mA	180 mA	180 mA	180 mA	180 mA
Voltage Drop Across Sensor		≤8V	≤8V	≤8V	≤8V	≤8V	≤8V	≤8V	≤8V
Max. Leakage Current		≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V	≤3mA/220V ≤1.5mA/110V
Short Term Current (20ms 1Hz)		1A	1A	1A	1A	1A	1A	1A	1A
Switching Frequency		15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V
Hysteresis		≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%
Temperature Drift		≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
Repeatability		2mm (.008in.)	.2mm (.008in.)	.2mm (.008in.)	.2mm (.008in.)	.4mm (.016in.)	.4mm (.016in.)	.4mm (.016in.)	.4mm (.016in.)
Front Cap Material		PBTP	PBTP	PBTP	PBTP	PBTB	PBTB	PBTB	PBTB

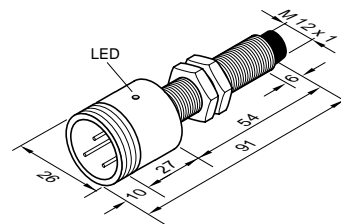
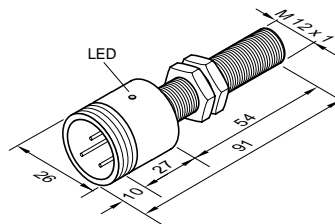
**Fixed Cable**

PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.



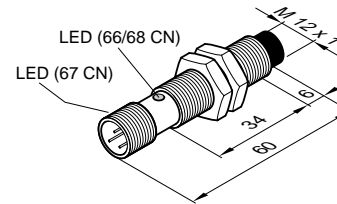
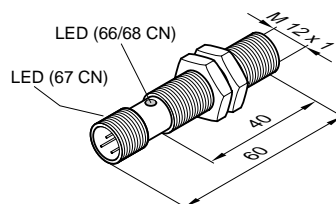
**62 Style Connector**

3-pin, Mini style, 25mm (1.0 in.) supplied with Brass, Nickel Plated (BN) locknuts.



**66/67/68 Style Connectors**

The 66/67 connectors are 4-pin, (68 connector, 3-pin), Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts. The 67 Connector is clear, offering 360° LED viewing.



### Metric/in. Conversion Table

1.0 mm = .04 in.	29.0 mm = 1.14 in.
5.0 mm = .20 in.	34.0 mm = 1.34 in.
6.0 mm = .23 in.	35.0 mm = 1.37 in.
8.0 mm = .31 in.	40.0 mm = 1.57 in.
12.0 mm = .47 in.	43.0 mm = 1.69 in.
23.0 mm = .90 in.	50.0 mm = 1.47 in.
28.0 mm = 1.10 in.	60.0 mm = 2.36 in.

This table converts millimeters to inches in reference to the illustrations included on these pages

### Accessories

#### 2 meter (6 ft. 6 in.) AC Cable Assemblies for Quick Disconnect Sensors

62 Connector	8000-5030	PVC, Straight
66/67 Connector	8000-5060	PVC, Right Angle
66/67 Connector	8000-5070	PVC, Straight
68 Connector	8000-5130	PVC Straight
68 Connector	8000-5140	Right Angle

Change last digit of connector number to 5 for 5 meter cable

Refer to pages 116-121 for more cable information

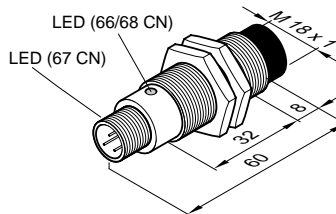
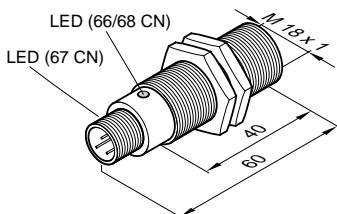
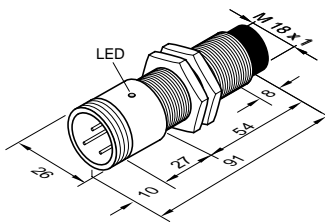
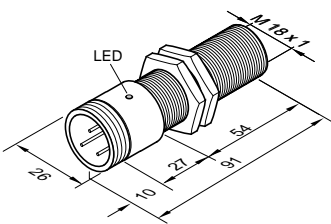
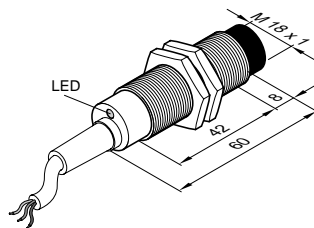
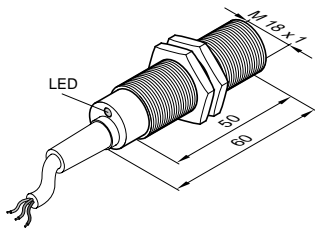
### Mounting Brackets – see Pages 114-115

### M18 Flush Mount 5mm (.02 in.)

### M18 Non-Flush Mount 8mm (.031 in.)

Cable	62	66/67	68	Cable	62	66/67	68
9954-2200	9954-2262	9954-2266 9954-2267	9954-2268	9954-1900	9954-1962	9954-1966 9954-1967	9954-1968
9954-2600		9954-2666 9954-2667	9954-2668	9954-2500			9954-2568
90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V	90V - 250V
50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
5 mA	5 mA	5 mA	5 mA	5 mA	5 mA	5 mA	5 mA
180 mA	180 mA	180 mA	180 mA	180 mA	180 mA	180 mA	180 mA
≤8V	≤8V	≤8V	≤8V	≤8V	≤8V	≤8V	≤8V
≤3mA/220V	≤3mA/220V	≤3mA/220V	≤3mA/220V	≤3mA/220V	≤3mA/220V	≤3mA/220V	≤3mA/220V
≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V	≤1.5mA/110V
1A	1A	1A	1A	1A	1A	1A	1A
15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V	15Hz/220V
≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%	≤15%
≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%	≤10%
.5mm (.02in.)	.5mm (.02in.)	.5mm (.02in.)	.5mm (.02in.)	.8mm (.031in.)	.8mm (.031in.)	.8mm (.031in.)	.8mm (.031in.)
PBTB	PBTB	PBTB	PBTB	PBTB	PBTB	PBTB	PBTB

Note: Sensor dimensions in mm.



### Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

