

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

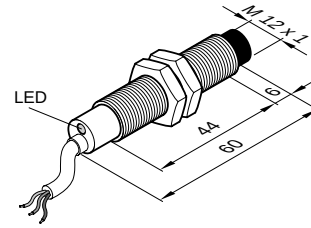
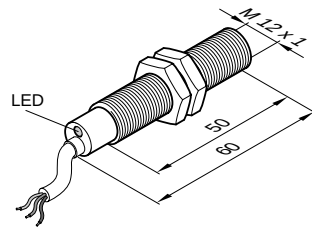
- **Most complete range of Fixed Cable and Quick Disconnect Styles**
- **Available in normally open (N.O.) and normally closed (N.C.) output configuration**
- **This series features the 360° LED viewing connector type "67"**
- **Carries C mark**

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

M12 Flush Mount					M12 Non-Flush Mount			
Sensing Distance 2mm (.08 in.)					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

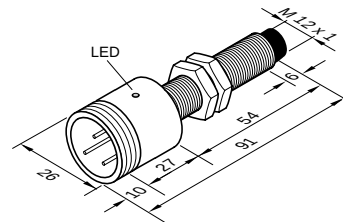
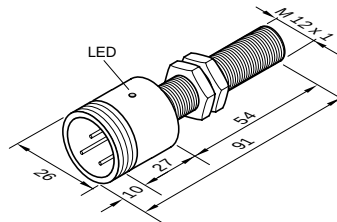
Fixed Cable

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.



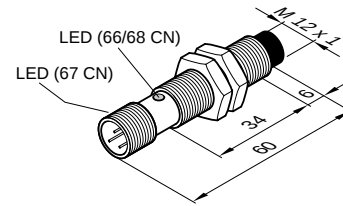
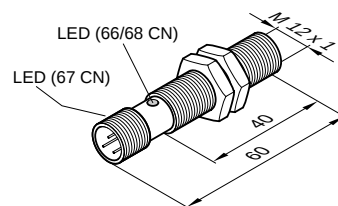
62 Style Connector

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

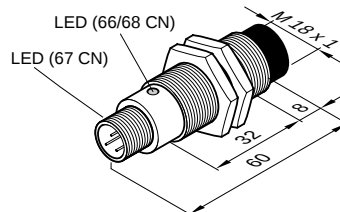
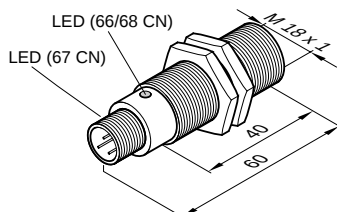
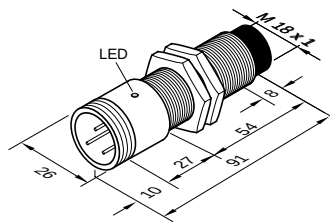
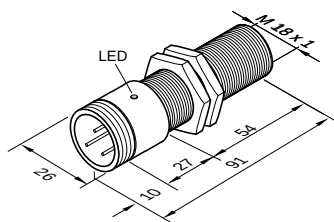
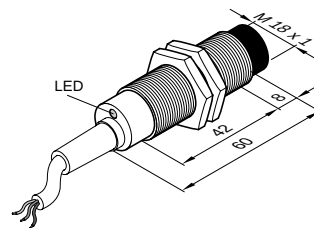
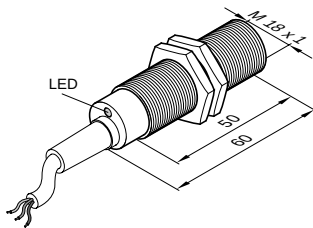
Refer to pages 116-121 for more cable information

Mounting Brackets – see Pages 114-115

M18 Flush Mount 5mm (.02 in.)

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 (.03in.)	.8mm (.03in.)	.8mm (.03in.)	.8mm (.03in.)
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

