



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

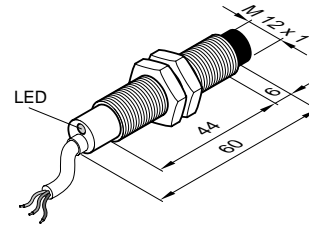
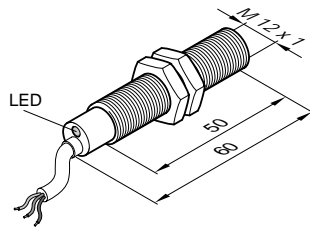
- **Most complete range of Fixed Cable and Quick Disconnect Styles**
- **Available in normally open (N.O.) and normally closed (N.C.) output configuration**
- **This series features the 360° LED viewing connector type "67"**
- **Carries CЄ mark**

- 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<br>2mm (.08 in.)  |                          |                          |                          | M12 Non-Flush Mount<br>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<br>9952-0567   | 9952-0568                            | 9952-0400                | 9952-0462                | 9952-0466<br>9952-0467   | 9952-0468                |
| Normally Closed  |                                   | 9952-0900                |                          | 9952-0966<br>9952-0967   | 9952-0968                            | 9952-0800                |                          | 9952-0866<br>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<br>≤1.5mA/110V | ≤3mA/220V<br>≤1.5mA/110V | ≤3mA/220V<br>≤1.5mA/110V | ≤3mA/220V<br>≤1.5mA/110V             | ≤3mA/220V<br>≤1.5mA/110V | ≤3mA/220V<br>≤1.5mA/110V | ≤3mA/220V<br>≤1.5mA/110V | ≤3mA/220V<br>≤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                     |

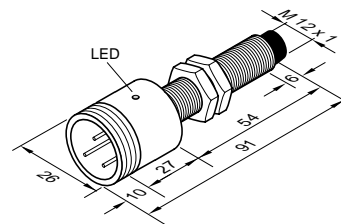
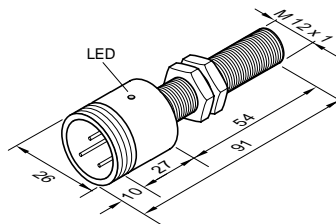
**Fixed Cable**

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.



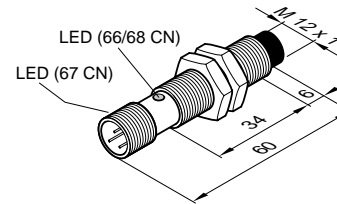
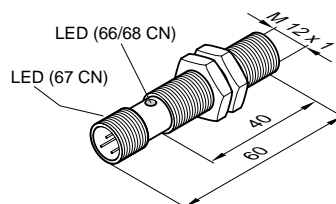
**62 Style Connector**

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

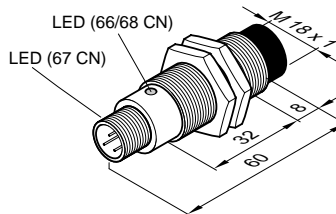
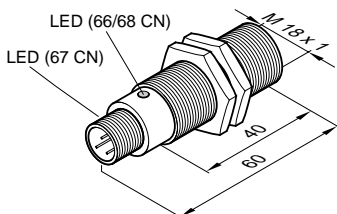
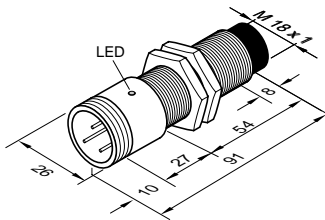
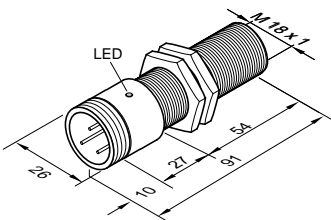
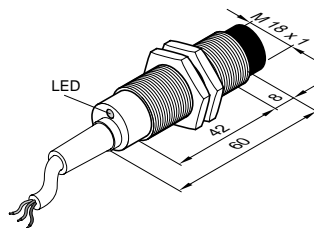
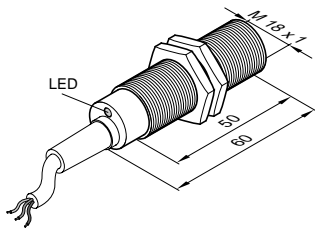
### Mounting Brackets – see Pages 114-115

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

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

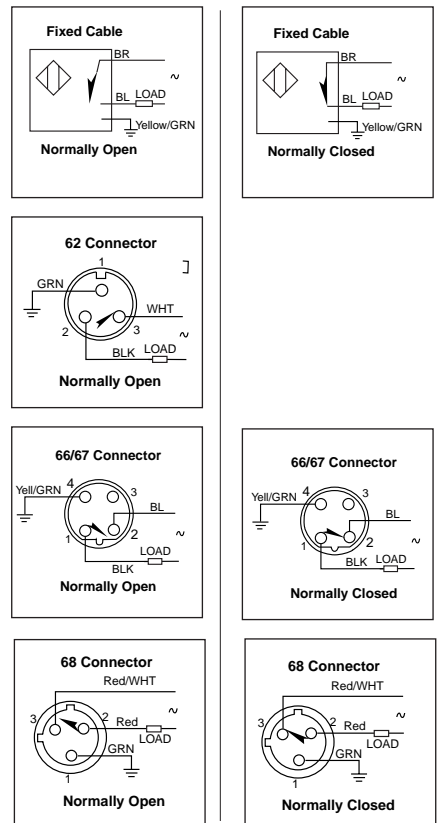
| Cable         | 62            | 66/67                  | 68            | Cable          | 62             | 66/67                  | 68             |
|---------------|---------------|------------------------|---------------|----------------|----------------|------------------------|----------------|
| 9954-2200     | 9954-2262     | 9954-2266<br>9954-2267 | 9954-2268     | 9954-1900      | 9954-1962      | 9954-1966<br>9954-1967 | 9954-1968      |
| 9954-2600     |               | 9954-2666<br>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





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.