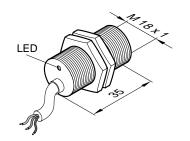
DC - 3 WIRE – L SERIES Brass, Nickel Plated (BN), Cylindrical, Threaded, 18-30V DC, 120mA 1 LED for Ouput Energized

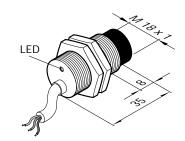
- Short Body Sensors
- Economically priced
- Connector options
- Carries (€ mark
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection
- Overload Protection
- Reverse Polarity Protection
- · Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

	M18 Flush Mount		M18 Non-Flush Mount	
Sensing Distance	5mm (.20 in.)		8mm (.31in.)	
Cable or Connector Style Cat. No.	Cable	65	Cable	65
PNP Normally Open Normally Closed	9984-2000	9984-2065	9984-2200	9984-2265
NPN Normally Open Normally Closed	9984-2100	9984-2165	9984-2300	9984-2365
Ripple Voltage	≤10%	≤10%	≤10%	≤10%
Voltage Range	18V - 30V	18V - 30V	18V - 30V	18V - 30V
Supply Current	≤10 mA	≤10 mA	≤10 mA	≤10 mA
Max. Load Current	120 mA	120 mA	120 mA	120 mA
Voltage Drop Across Sensor	≤1.5V	≤1.5V	≤1.5V	≤1.5V
Max. Leakage Current	≤10 µA	≤10 µA	≤10 µA	≤10 µA
Switching Frequency	1000Hz	1000Hz	500Hz	500Hz
Hysterisis	≤15%	≤15%	≤15%	≤15%
Temperature Drift	≤10%	≤10%	≤10%	≤10%
Repeatability	.50mm (.02 in.)	.50mm (.02 in.)	.80mm (.031in.)	.80mm (.031 in.)
Front Cap Material	PBTP	PBTP	PBTP	PBTP

Fixed Cable

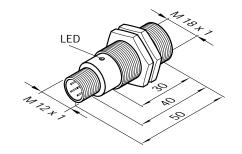
PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.

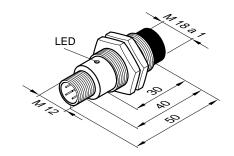




65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts.





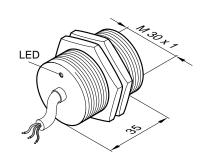


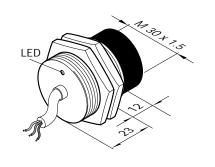
Metric/in. Conversion Table

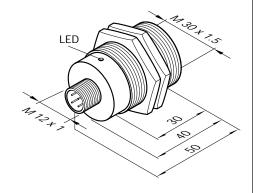
This table converts millimeters to inches in reference to the illustrations included on these pages

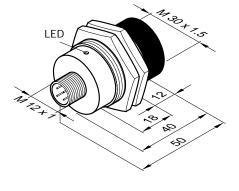
M30 Flush Mount 10mm (.39 in.)		M30 Non-Flush Mount 15mm (.59 in.)		
Cable	65	Cable	65	
9986-2000	9986-2065	9986-2200	9986-2265	
9986-2100	9986-2165	9986-2300	9986 -2365	
≤10%	≤10%	≤10%	≤10%	
18V - 30V	18V - 30V	18V - 30V	18V - 30V	
≤10 mA	≤10 mA	≤10 mA	≤10 mA	
120 mA	120 mA	120 mA	120 mA	
≤1.5V	≤1.5V	≤1.5V	≤1.5V	
≤10 µA	≤10 μA	≤10 µA	≤10 µA	
500Hz	500Hz	300Hz	300Hz	
≤15%	≤15%	≤15%	≤15%	
≤10%	≤10%	≤10%	≤10%	
1.0mm (.039 in.)	1.0mm (.039 in.)	1.5mm (.059 in.)	1.5mm (.059 in.)	
PBTP	PBTP	PBTP	PBTP	

Note: Sensor dimensions in mm.









Accessories

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

 65 Connector
 8000-5110
 PVC, Straight

 65 Connector
 8000-5120
 PVC, Right Angle

 65 Connector
 8000-5150
 PVC, Right Angle, 2LED, NPN

 65 Connector
 8000-5160
 PVC, Right Angle, 2LED, PNP

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

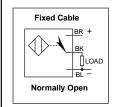
Refer to pages 116-121 for more cable information

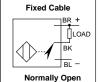
Mounting Brackets – see Pages 114-115

Wiring Diagrams

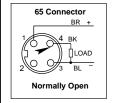
Note: Wire colors are applicable on cables purchased from Altech

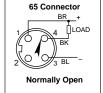
PNP





NPN





Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Altech:

<u>9986-2100</u> <u>9984-2065</u> <u>9986-2300</u> <u>9984-2000</u> <u>9984-2365</u> <u>9984-2265</u> <u>9984-2300</u> <u>9986-2000</u> <u>9986-2200</u> <u>9986-2200</u> <u>9986-2200</u>