

## DC - 3 WIRE – MINI BLOCK HOUSING

Brass, Nickel Plated (BN),  
Block, 10-30V, 200mA  
active surface at front or  
centrally located

- Connector styles have LED for output energized
- Carries  $\text{C}\epsilon$  mark

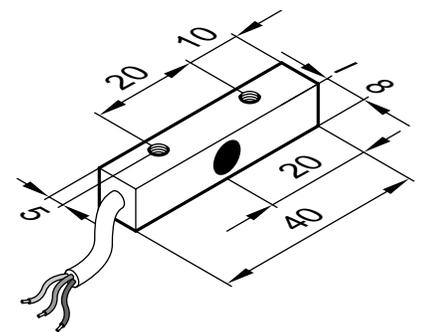
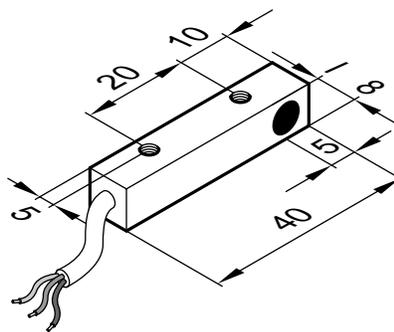
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection for PNP types
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

Sensing Distance	Flush Mount Active Surface in Front		Flush Mount Active Surface Centered	
	1.5mm (.059 in.)		1.5mm (.059)	
Cable or Connector Style Cat. No.	Cable	64	Cable	64
<b>PNP</b> Normally Open 	9861-1000	9861-1064	9861-1100	9861-1164
	Normally Closed 			
<b>NPN</b> Normally Open 				
	Normally Closed 			
Ripple Voltage	≤10%		≤10%	
Voltage Range	10V - 30V		10V - 30V	
Supply Current	≤9 mA		≤9 mA	
Max. Load Current	200 mA		200 mA	
Voltage Drop Across Sensor	≤1V		≤1V	
Max. Leakage Current	≤10 μA		≤10 μA	
Switching Frequency	2000 Hz		2000 Hz	
Hysteresis	≤15%		≤15%	
Temperature Drift	≤10%		≤10%	
Repeatability	.15mm (.006 in.)		.15mm (.006 in.)	

Note: Sensor dimensions in mm.

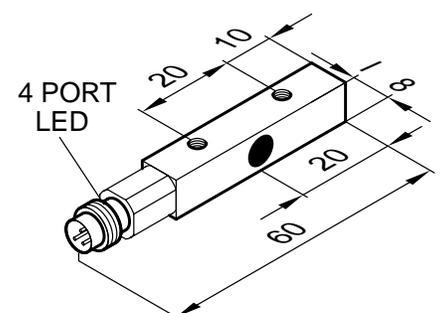
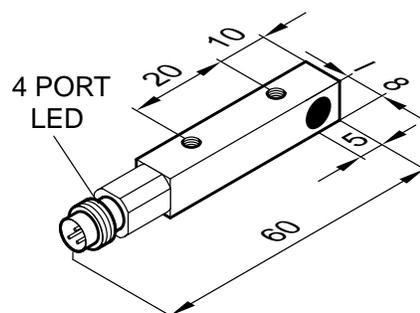
### Fixed Cable

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.



### 64 Style Connector

3-pin, Pico style, 8mm (.31 in.).



## Metric/in. Conversion Table

1.0 mm = .04 in.	20.0 mm = .78 in.
5.0 mm = .19 in.	40.0 mm = 1.57 in.
8.0 mm = .31 in.	60.0 mm = 2.36 in.
10.0 mm = .39 in.	

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

## Accessories

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

64 Connector	8000-5220	Straight
64 Connector	8000-5230	PVC, Right Angle, 2 LED, PNP
64 Connector	8000-5240	PVC, Right Angle, 2 LED, NPN

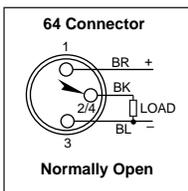
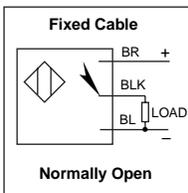
*Change last digit of connector number to 5 for 5 meter cable*

*Refer to pages 116-121 for more cable information*

## Wiring Diagrams

Note: Wire colors are applicable on cable purchased from Altech

### PNP



# Mouser Electronics

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