

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 **CE** mark

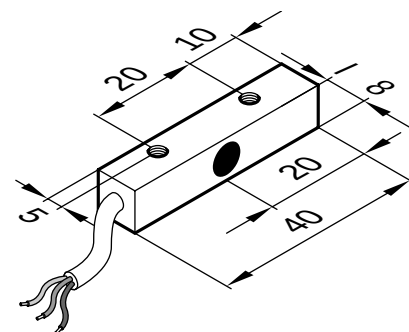
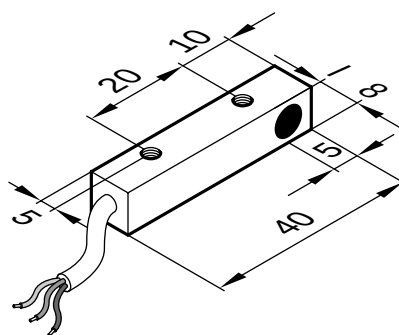
- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection for PNP types
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

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

Note: Sensor dimensions in mm.

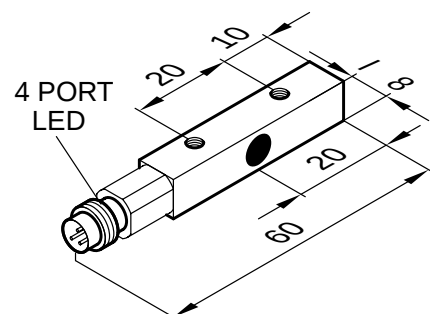
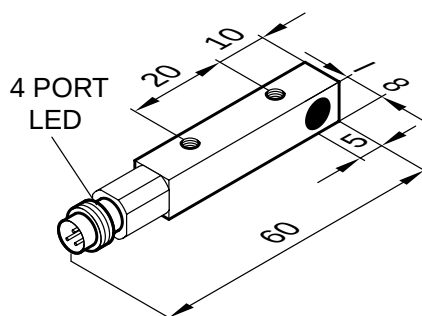
Fixed Cable

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

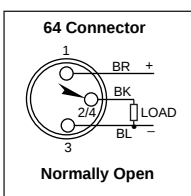
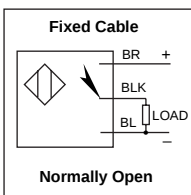
Change last digit of connector number to 5 for 5 meter cable

Refer to pages 116-121 for more cable information

Wiring Diagrams

Note: Wire colors are applicable on cable purchased from Altech

PNP



Mouser Electronics

Authorized Distributor

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

[Altech:](#)

[9861-1100](#) [9861-1064](#) [9861-1000](#)