

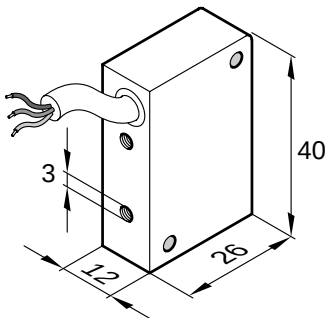
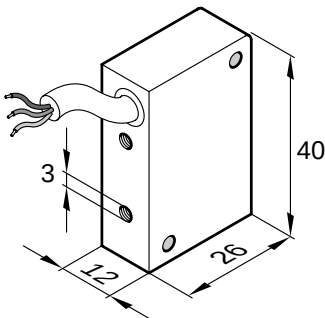
DC - 3 WIRE
PLASTIC BLOCK HOUSING
10-30V, 400mA
LED for Output Energized

- Block Sensors feature large sensing distances
- Carries $\text{C}\epsilon$ 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)

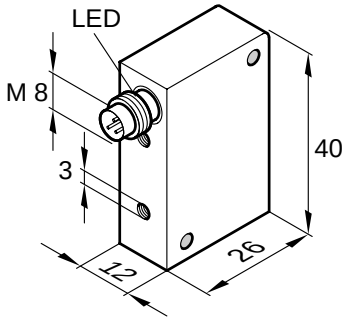
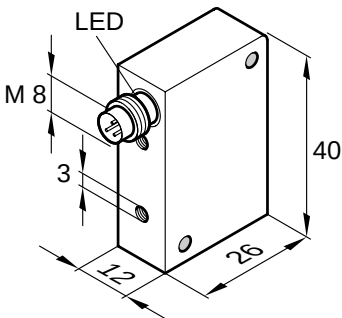
40 x 26 x 12mm Block Flush Mount			40 x 26 x 12mm Block Non-Flush Mount	
Sensing Distance 2mm (.08 in.)			4mm (.16 in.)	
Cable or Connector Style Cat. No.	Cable	64	Cable	64
PNP	Normally Open	9863-0400	9863-2700	9863-2764
	Normally Closed		9863-2900	9863-2964
NPN	Normally Open	9863-2100		
	Normally Closed			
Ripple Voltage	≤10%		≤10%	
Voltage Range	10v - 30V		10v - 30V	
Supply Current	≤18mA		≤18mA	
Maximum Load Current	400 mA (n.o.) 200 mA (n.c.)		400 mA (n.o.) 200 mA (n.c.)	
Voltage Drop Across Sensor	≤2.2V		≤2.2V	
Maximum Leakage Current	≤10μA		≤10μA	
Switching Frequency	800Hz		800Hz	
Hysteresis	≤15%		≤15%	
Temperature Drift	≤10%		≤10%	
Repeatability	.20mm (.008 in.)		.20mm (.008 in.)	
Housing Material	Trogamid T		Trogamid T	

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 (.310 in.).



Metric/in. Conversion Table

3.0 mm = .11 in.	26.0 mm = 1.02 in.
8.0 mm = .31 in.	40.0 mm = 1.57 in.
12.0 mm = .47 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, 2LED, PNP
64 Connector	8000-5240	PVC, Right Angle, 2LED, NPN

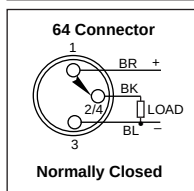
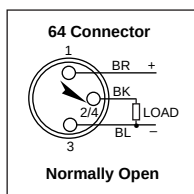
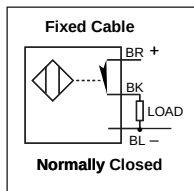
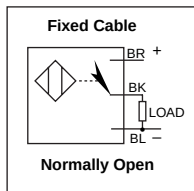
Change last digit of connector number to 5 for 5 meter cable

Refer to pages 116-121 for more cable information

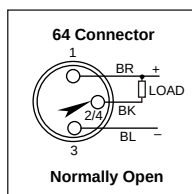
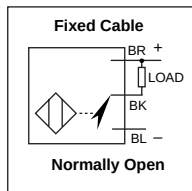
Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

PNP



NPN



Mouser Electronics

Authorized Distributor

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

[Altech:](#)

[9863-2964](#) [9863-2764](#) [9863-2164](#)