



DC - 3 WIRE METAL BLOCK HOUSING 10-30V, 400mA

Selection of operating frequency
allows units to be mounted adja-
cently without interference

- **Block Sensors feature large sensing distances**
- **Some models feature adjustable sensing distance**
- **LED for Output Energized**
- **Carries € mark**

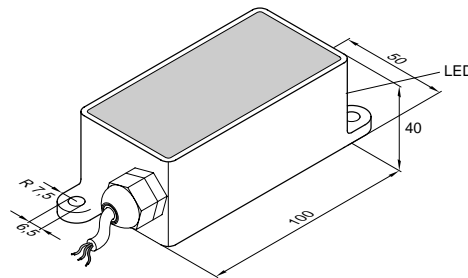
100 x 50 x 40mm Block Non-Flush Mount Sensing Distance Adjustable to 70mm (2.76 in.)

Cable or Connector Style Cat. No.	Cable	59
PNP Normally Open 	9809-0100 (f1)*	9809-0159 (f1)*
	9809-3400 (f2)*	9809-3459 (f2)*
	9809-3500 (f3)*	9809-3559 (f3)*
NPN Normally Open 	9809-0300 (f1)*	9809-0359 (f1)*
	9809-0400 (f2)*	9809-0459 (f2)*
	9809-0500 (f3)*	9809-0559 (f3)*
Ripple Voltage	≤10%	≤10%
Voltage Range	10V - 30V	10V - 30V
Supply Current	≤12 mA	≤12 mA
Maximum Load Current	400 mA	400 mA
Voltage Drop Across Sensor	≤2.4V	≤2.4V
Maximum Leakage Current	≤10 µA	≤10 µA
Switching Frequency	300Hz	300Hz
Hysteresis	≤15%	≤15%
Temperature Drift	≤10%	≤10%
Repeatability	7mm (.28 in.)	7mm (.028 in.)
Housing Material	Aluminum	Aluminum
LED	One LED	One LED

Note: Sensor dimensions in mm.

Fixed Cable

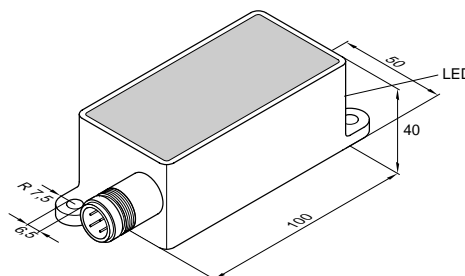
PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech.



59 Style Connector

4-pin, Metal, 19mm (.75 in.) device

* Also available
in a 65 Style Connector
4-pin Micro style, 12mm (.47 in.).
Consult Altech.



- 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)

*** For operation where units will be located adjacently, models with different operating frequencies must be selected**

Metric/in. Conversion Table

6.5 mm = .25 in.	50 mm = 1.96 in.
7.5 mm = .29 in.	100 mm = 3.93 in.
40mm = 1.57 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

59 Connector 9512-0200 PVC Straight

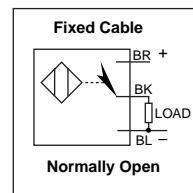
Change last digit of connector number to 2 for 5 meter cable

Refer to pages 116-121 for more cable information

Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech

PNP



NPN

