

AC - 2 WIRE BLOCK METAL & PLASTIC HOUSING

Models include:

90-250V AC, 180 mA,

20-250V AC, 500mA

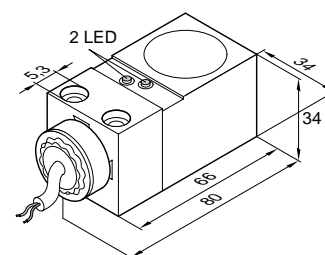
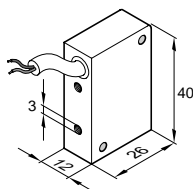
- **One LED models for Output Energized**
- **Two LED models for Operating Voltage and Output Energized**
- **Large sensing distances**
- **Carries $\text{C}\epsilon$ mark**

- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Temperature Range:
-25 to 50°C (-13 to 122°F)
-25 to 70°C (-13 to 158°F)

40 x 26 x 12mm Block Flush Mount		34 x 34 x 80mm Block Partially Flush Mount	
Sensing Distance	2mm (.08 in.)	13mm (.51 in.)	
Cable or Connector Style Cat. No.	Cable	Cable	Cable
Normally Open 	9853-2400	9853-3800	9853-3900
Normally Closed 	9853-2500	9853-3600	9853-3700
Voltage Range	90V-250V AC	20V - 250V AC	20V - 250V
Operating Frequency	50/60Hz	50/60Hz	50/60Hz
Supply Current	≤5 mA	≤2 mA	≤2 mA
Max. Load Current	180 mA	500 mA	500 mA
Voltage Drop Across Sensor	≤12V	≤5V	≤5V
Max. Leakage Current	≤3mA/230V ≤1.5mA/110V	≤2mA	≤2mA
Short Term Current (20 ms, 1Hz)	1A	8A	8A
Switching Frequency	25Hz	15Hz	15Hz
Hysteresis	≤15%	≤15%	≤15%
Temperature Drift	≤10%	≤10%	≤10%
Repeatability	.2mm (.008 in.)	1.3mm (.051 in.)	1.3mm (.051 in.)
Housing Material	Trogamid T	PBTP (GV 30)	PBTP (GV 30)
Sensing Head Position	-	Active Surface in Front	Active Surface on Top - Rotatable

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.



62 Connector

3-Pin Mini Style, 25.4mm (1.0 in.).

Screw Terminals

Screw terminals are located internally in housing for wire connection.

Metric/in. Conversion Table

3.0 mm = 0.1 in.	50.0 mm = 1.96 in.
5.3 mm = 0.2 in.	60.0 mm = 2.36 in.
6.5 mm = .25 in.	64.0 mm = 2.52 in.
12.0 mm = .47 in.	66.0 mm = 2.59 in.
24.0 mm = .94 in.	70.0 mm = 2.75 in.
26.0 mm = 1.02 in.	80.0 mm = 3.15 in.
34.0 mm = 1.33 in.	90.0 mm = 3.54 in.
40.0 mm = 1.57 in.	110.0 mm = 4.33 in.
41.0 mm = 1.61 in.	
45.0 mm = 1.77 in.	

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

Accessories

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

62 Connector 8000-5030 PVC Straight

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

50 x 50 x 41mm Block Flush Mount

70 x 66 x 60mm Block Flush Mount

80 x 80 x 40mm Block Non-Flush Mount

20mm (.79 in.)

40mm (1.57 in.)

50mm (1.97 in.)

62

Cable

Screw Terminals

9855-0062

9803-3000

9855-1000

9855-1100

20V - 250V

20V - 250V

20V - 250V

50/60Hz

50/60Hz

50/60Hz

≤2 mA

≤2 mA

≤2 mA

500 mA

500 mA

500 mA

≤5V

≤5V

≤5V

≤2 mA

≤2 mA

≤2 mA

8A

8A

8A

15Hz

25Hz

10Hz

≤15%

≤15%

≤15%

≤10%

≤10%

≤10%

2mm (.079 in.)

4mm (.157 in.)

5mm (.197 in.)

Aluminum

Aluminum

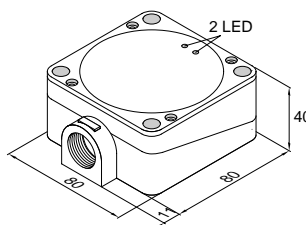
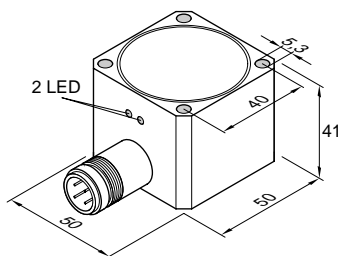
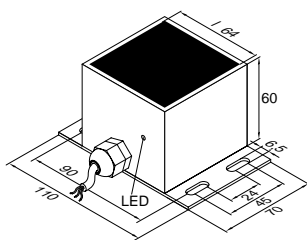
PBTP (GV 30)

-

-

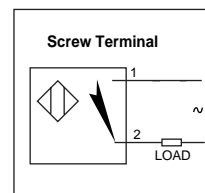
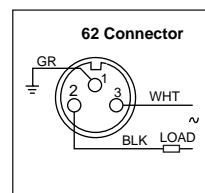
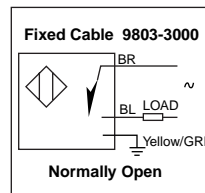
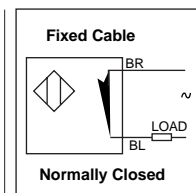
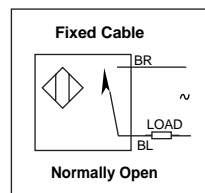
-

Note: Sensor dimensions in mm.



Wiring Diagrams

Note: Wire colors are applicable to cable purchased from Altech



Mouser Electronics

Authorized Distributor

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

[Altech:](#)

[9853-2400](#) [9855-1000](#) [9853-2500](#)