DC - 3 WIRE – WELD IMMUNE Brass, Nickel Plated (BN), Cylindrical, Threaded, 10-30V DC, 200mA 1 LED for Output Energized

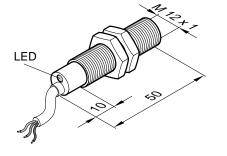
- Circuitry that protects for electro-magnetic interference
- Flush models have teflon ceramic coatings to protect for weld slag
- Carries (E mark

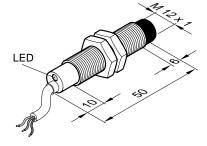
- IEC(529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Temperature Range: -25 to 70°C (-13 to 158°F)

	M12 Flush Mount		M12 Non-Flush Mount	
Sensing Distance	2mm (.08 in.)		4mm (.16 in.)	
Cable or Connector Style Cat. No.	Cable	45	Cable	65
Normally Open Image: mail of the second	9962-5840	9962-5845	9962-5900	9962-5965
NPN Normally Open V-				
Ripple Voltage	≤10%	≤10%	≤10%	≤10%
Voltage Range	10V-30V	10V - 30V	10V - 30V	10V - 30V
Supply Current	≤10 mA	≤10 mA	≤10 mA	≤10 mA
Max. Load Current	200 mA	200 mA	200 mA	200 mA
Voltage Drop Across Sensor	≤2.4V	≤2.4V	≤2.4V	≤2.4V
Max. Leakage Currrent	≤10 µA	≤10 µA	≤10 µA	≤10 µA
Switching Frequency	15 Hz	15 Hz	15Hz	15 Hz
Hysterisis	≤15%	≤15%	≤15%	≤15%
Temperature Drift	≤10%	≤10%	≤10%	≤10%
Repeatability	.20mm (.008 in.)	.20mm (.008 in.)	.40mm (.016 in.)	.40mm (.016 in.)
Front Cap Material	Teflon	Teflon	PBTB	PBTB
Housing Material	Teflon Plated Brass	Teflon Plated Brass	Nickel Plated Brass	Nickel Plated Brass

Fixed Cable

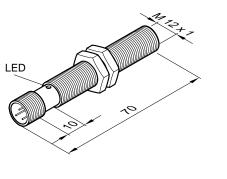
PVC 2m (6ft. 6in.). For 5m (16 ft. 5 in.) cable length, change the last two digits of the part number to 02. For other cable lengths and/or PUR cable, please consult Altech. Supplied with Brass, Nickel Plated (BN) locknuts.

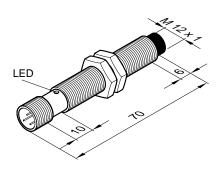




45/65 Style Connector

4-pin, Micro style, 12mm (.47 in.) supplied with Brass, Nickel Plated (BN) locknuts.







Metric/in. Conversion Table

	fo
his table	45
converts millimeters	45
o inches in reference	45

Accessories

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

 45/65 Connector 8000-5110
 PVC, Straight

 45/65 Connector 8000-5120
 PVC, Right Angle

 45/65 Connector 8000-5150
 PVC, Right Angle, 2LED, NPN

 45/65 Connector 8000-5160
 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

Mounting Brackets - see Pages 114-115

M18 Flush Mount		M18 Non-Flush Mount		
5mm (.20 in.)		8mm (.31 in.)		
Cable	45	Cable	65	
9964-5840	9964-5845	9964-5900	9964-5965	
≤10%	≤10%	≤10%	≤10%	
10V - 30V	10V - 30V	10V - 30V	10V - 30V	
≤10 mA	≤10 mA	≤10 mA	≤10 mA	
200 mA	200 mA	200 mA	200 mA	
≤2.4V	≤2.4V	≤2.4V	≤2.4V	
10 µA	10 µA	10µA	10µA	
15 Hz	15 Hz	15 Hz	15 Hz	
≤15%	≤15%	≤15%	≤15%	
≤10%	≤10%	≤10%	≤10%	
.50mm (.02 in.)	.50mm (.02 in.)	.80mm (.03 in.)	.80mm (.03 in.)	
Teflon	Teflon	PBTB	PBTB	
Teflon Plated Brass	Teflon Plated Brass	Nickel Plated Brass	Nickel Plated Brass	

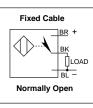
Note: Sensor dimensions in mm.

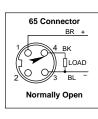
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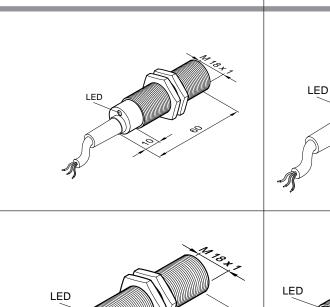
Note: Wire colors are applicable to cable purchased from Altech

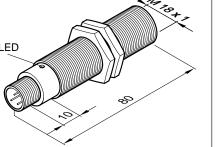
PNP

Wiring Diagrams











9