

## DC - 3 WIRE-STANDARD

**M8 Stainless Steel (SS), M12 Brass, Nickel Plated (BN),  
Cylindrical, Threaded, 10-30V DC, 250mA,  
LED for Output Energized**

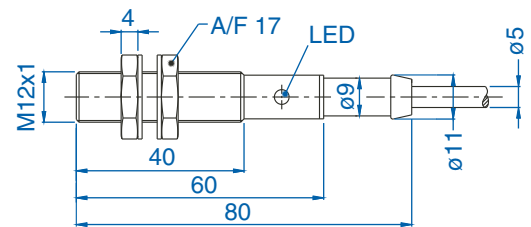
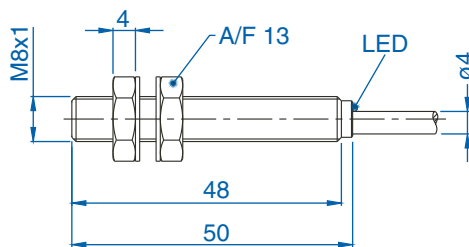


- IEC (529) IP67 (NEMA 1, 3, 4, 6, 12, 13) Protection
- Short Circuit Protection
- Overload Protection
- Reverse Polarity Protection
- Wire Break Resistance
- Transient Voltage Protection
- Temperature Range: -25 to 70°C (-13 to 158°F)

M8 Flush Mount			M12 Flush Mount	
Sensing Distance 1.5mm (0.06 in.)			2mm (.08 in.)	
Cable or Connector Style Cat. No.	Cable	65	Cable	65
<b>PNP</b>	Normally Open	AIS08F1.5AP024-2M	AIS12F02AP024-2M	AIS12F02AP024-Q65
	Complementary NO/NC*		AIS12F02UP024-2M	AIS12F02UP024-Q65
<b>NPN</b>	Normally Open	AIS08F1.5AN024-2M	AIS12F02AN024-2M	AIS12F02AN024-Q65
	Complementary NO/NC*		AIS12F02UN024-2M	AIS12F02UN024-Q65
Ripple Voltage	≤ 10%		≤ 10%	
Voltage Range	10-30V		10-30V	
No-Load Current	≤ 11 mA		≤ 15mA	
Max. Load Current	250 mA		250 mA	
Voltage Drop Across Sensor	≤ 1.3V		≤ 2.5V	
Max. Leakage Current	≤ 1 µA		1µA	
Switching Frequency	2000 Hz		1000 Hz	
Hysteresis	≤ 0.15mm		≤ 0.2mm	
Temperature Drift	≤ ±3µm/K		±4µm/K	
Repeatability	≤ 0.05mm		≤ 0.1mm	

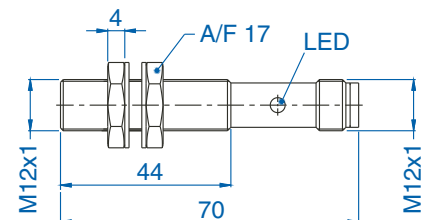
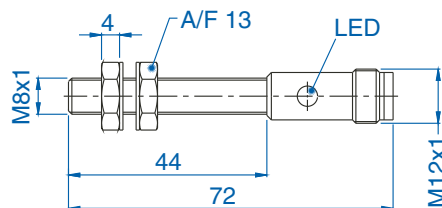
### Fixed Cable

PVC 2m (6ft. 6in.). For other cable lengths and/or PUR cable, please consult Altech. M8 is supplied with stainless steel locknuts and M12 is supplied with brass, nickel plated locknuts.



### 65 Style Connector

4-pin, Micro style, 12mm (.47 in.). M8 is supplied with stainless steel locknuts and M12 is supplied with brass, nickel plated locknuts.



*Note: Sensor dimensions in mm.*