DC - 2 WIRE-STANDARD

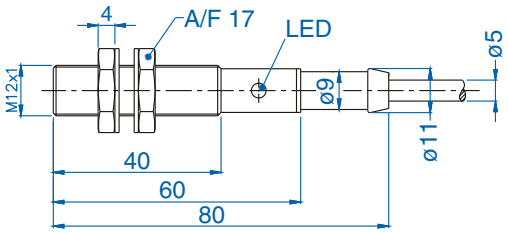
Brass, Nickel Plated (BN), Cylindrical, Threaded, 10-30V DC, 200mA, LED for Output Energized

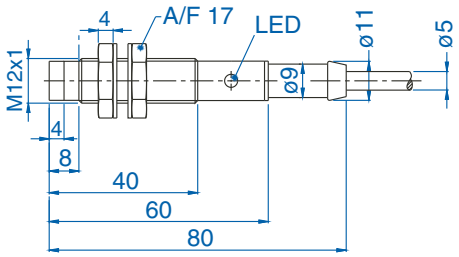
CE

- 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)

	M12 Flush Mount	M12 Non-Flush Mount
Sensing Distance	**2mm (.08 in.)**	**4mm (.16 in.)**
Cable or Connector Style Cat. No.	**Cable**	**Cable**
Normally Open	AIS12F02AD024-2M	AIS12N04AD024-2M
Normally Closed	AIS12F02RD024-2M	AIS12N04RD024-2M
Ripple Voltage	≤10%	≤10%
Voltage Range	10-30V	10-30V
Holding Current	≤4mA	≤4mA
Max. Load Current	200 mA	200 mA
Voltage Drop Across Sensor	≤4.5V	≤4.5V
Max. Leakage Currrent	≤1mA	≤1mA
Switching Frequency	400 Hz	400 Hz
Hysterisis	≤0.2mm	≤0.6mm
Temperature Drift	≤±4µm/K	≤±8µm/K
Repeatability	≤0.1mm	≤0.3mm

Fixed Cable
PVC 2m (6ft. 6in.) encapsulated oil resistant cable. For other cable lengths and/or PUR cable, please consult Altech. Supplied with brass, nickel plated locknuts.





Note: Sensor dimensions in mm.

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Metric/in. Conversion Table

1.5 mm	= .06 in.	23.0 mm	= .08 in.
2.0 mm	= .08 in.	28.0 mm	= 1.10 in
4.0 mm	= .16 in	30.0 mm	= 1.18 in.
5.0 mm	= .20 in.	32.0 mm	= 1.26 in.
6.0 mm	= .23 in.	34.0 mm	= 1.34 in.
8.0 mm	= .31 in.	40.0 mm	= 1.57 in.
10.0 mm	= .39 in.	50.0 mm	= 1.97 in.
12.0 mm	= .47 in.	51.0 mm	= 2.01 in.
15.0 mm	= .59 in.	60.0 mm	= 2.36 in.
18.0 mm	= .70 in.	80.0 mm	= 3.12 in.

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

If you do not see a coverted dimension, multiply mm by 0.03937 to convert to inches.

Wiring Diagrams

Note: Wire colors are applicable on cables purchased from Altech