

Stedham Electronics Corporation

Capacitive Proximity Sensors - 8mm Inductive Proximity Sensor (Shielded, Embeddable)



Features

- Signal LED indicator
- Complete overload protection
- Compact length
- IEC IP 67 protection rating
- Cable and connector versions
- -25 to +70 degrees C

Sensing Specifications

Flush Mountable	Yes
Nominal Sensing Distance, Sn	2mm
Repeat Accuracy - (% of Sn)	≤5%
Hysteresis - (% of Sn)	1-20%

Mechanical Specifications

Weight	43g
Protection Degree	IP67
Operating Temperature Range	-25 to 70 °C
Temperature Drift	10% Sn
LED Signal Indicator	Yes, yellow (output energized)
Sensor Type	Shielded, Embeddable
Barrel Material	Nickel-Plated Brass
Sensor Face Material	PBT
Cable Versions	2meter, 3 Wire PVC
Connector Versions	M12 (12mm) connector

Electrical Specifications

Supply Voltage	10-30 VDC
Load Current	≤ 200 mA
Voltage Drop	≤ 1.2V
Switching Frequency	3 kHz
Transient Protection	30VDC

Part Numbers

Normally Open PNP (sourcing)	Cable	N1A8AP1-M
Normally Open PNP (sourcing)	Connector	N1A8AP2-M
Normally Open NPN (sinking)	Cable	N1A8AN1-M
Normally Open NPN (sinking)	Connector	N1A8AN2-M

