



Part Number: PGN-SP-002

Digital Hall-Effect Proximity Sensor in Low-Profile Flange-Mount Housing

Product Data Sheet

PICTURE FEATURES APPLICATIONS



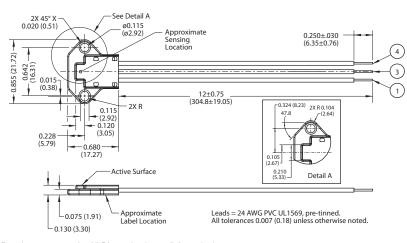
- Capable of millions of operations
- Meets IEC529 IPX5 for water protection
- Reverse Battery Protection to -24 VDC
- Provides highly sensitive unipolar switching
- Equivalent to: Cherry MP101402

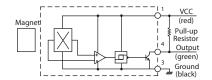
- Door position sensing

- Flow sensing
- Pedal Switch

DIMENSIONS

OPEN COLLECTOR Sinking Block Diagram





Drawings not to scale. All Dimension in mm(in) nominal

TECHNICAL SPECIFICATIONS					
Electrical Characteristics					
Operating Voltage Range	4.5 - 24	VDC			
Supply Current	5.2	mA	Max.		
Output	3-wire sink				
Output Saturation Voltage	400	mV	Max.		
Output Current	20	mA	Max.		
Operating Characteristics					
Operating Temperature	-40 to 85	°C			
Function	Unipolar Switch				
Operate Point	95 (south)	Gauss	Max.		
Release Point	20 (south)	Gauss	Min.		

Note 1: These sensors require the use of an external pull-up resistor, the value of which is dependent on the supply voltage. Pull-up resistor should be connected between output (Green) and Vcc (Red). Note 2: Unipolar switch output turns low in presence of magnetic south pole. Bipolar latch output latches high in presence of magnetic south poles and latches low in presence of magnetic north pole.

REV. NO.	REVISION NOTE	DATE	SIGNATURE
Α	Datasheet Update	October 2009	LG

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office wil be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

© 2009 Copyright Assemtech Europe Limited

Unit 7, Rice Bridge Indutrial Estate, Thorpe-le-Soken, Essex, England CO16 OHL Website: www.assemtech.co.uk USA: +(1) 973 777 6900 - UK: +44 (0) 1255 862236 - Belgium: +32 (0)12 390400 - France: +33 (0) 143 96 86 10



TAKE A LOOK AT OUR VARIETY OF PRODUCTS





Magnets



Tilt / Tip Over Non-Mercury



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Proximity Sensors category:

Click to view products by Comus manufacturer:

Other Similar products are found below:

01.001.5653.1 70.340.1028.0 70.360.2428.0 70.364.4828.0 70.810.1053.0 72.360.1628.0 73.363.6428.0 9221350022 980659-1 QT-12 E2EX10D1NN E2E-X14MD1-G E2E-X2D1-G E2EX2ME2N E2E-X3D1-N 10M E2E-X4MD1-G E2FMX1R5D12M E2K-F10MC1 5M EI1204TBOSL-6 EI5515NPAP BSA-08-25-08 IC08ANC15PO-K IMM2582C 25.161.3253.0 25.332.0653.1 25.352.0653.0 25.352.0753.0 25.523.3253.0 9151710023 922FS1.5C-A4P-Z774 SC606ABV0S30 SM952A126100LE A1220EUA-T F3S-A162-U CL18 QT-08L 34.110.0010.0 TL-C2MF1-M3-E4 IMM32188C IS2 IS31SE5000-UTLS2-TR 34.110.0021.0 34.110.0022.0 CA150-120VACDC VM18VA3000Q XS508BSCBL2 XS512BLNAM12 XS512BLNBL2 XS512BLPAL5 XS518B1MBU20