



Part Number: PGN-SP-003

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

**Product Data Sheet** 

# PICTURE FEATURES APPLICATIONS

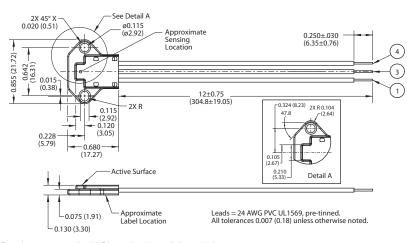


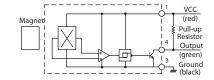
- Capable of millions of operations
- Meets IEC529 IPX5 for water protection
- Reverse Battery Protection to -24 VDC
- Latches in presence of south pole and unlatches in presence of north pole magnet.
- Equivalent to: Cherry MP101403

- Door position sensingFlow 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	Bipolar Latch				
Operate Point	120 (south)	Gauss	Max.		
Release Point	100 (north)	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: Bipolar latch output latches in presence of magnetic south poles and unlatches 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) 1 43 96 86 10



### TAKE A LOOK AT OUR VARIETY OF PRODUCTS

