



Part Number: PGN-SP-001

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

**Product Data Sheet** 

## **PICTURE FEATURES APPLICATIONS**

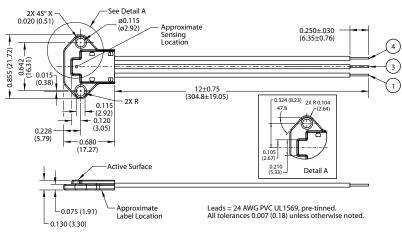


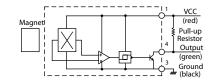
- Capable of millions of operations
- Meets IEC529 IPX5 for water protection
- Reverse Battery Protection to -24 VDC
- South pole activated unipolar switching
- Equivalent to: Cherry MP101401

- 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	185 (south)	Gauss	Max.		
Release Point	60 (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 will 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.

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