

Part Number : PGN-SP-003
Digital Hall-Effect Proximity Sensor in Low-Profile Flange-Mount Housing
Product Data Sheet

PICTURE	FEATURES	APPLICATIONS
	<ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> - Door position sensing - Flow sensing - Pedal Switch

DIMENSIONS	OPEN COLLECTOR Sinking Block Diagram
<p>Leads = 24 AWG PVC UL1569, pre-tinned. All tolerances 0.007 (0.18) unless otherwise noted.</p>	

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.

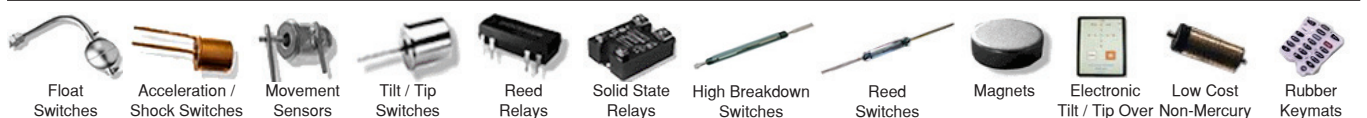
REV. NO.	REVISION NOTE	DATE	SIGNATURE
A	Datasheet Update	October 2009	LG

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