Part Number: PGN-SP-002

## Digital Hall-Effect Proximity Sensor in Low-Profile Flange-Mount Housing Product Data Sheet



## DIMENSIONS



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 | -40 to 85 |  |  |
| Operating Temperature | Unipolar Switch | ${ }^{\circ} \mathrm{C}$ |  |
| Function | 95 (south) | Gauss | Max. |
| Operate Point | 20 (south) | Gauss | Min. |
| Release Point | pore |  |  |

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 |
| :---: | :--- | :---: | :---: |
| A | 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
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