



## 620008 Hall Effect gear tooth speed sensor



### Description:

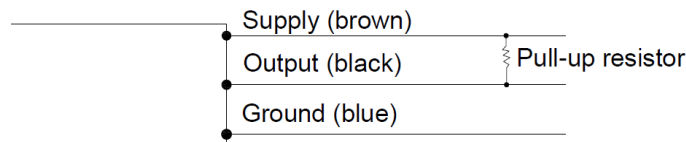
This sensor is designed for use with ferrous metals. Typical use is for rotational gear tooth speed sensing.

### Wiring Instructions

When using with SGI-100BT please reference SGI manual for wiring instructions. When not connecting to a SGI-100BT, a pull-up resistor is recommended. Use the chart below to choose the appropriate pull-up resistor value.

Volts DC	5	9	12	15	24
Ohms	1k	1.8k	2.4k	3k	3k

Install pull-up between Supply(V) and Output wire.



### Technical Specs

- Typical air gap between sensor and ferrous metal: 0.060" (1.5mm)
- Operating temp: -40F to 257F
- Operating Supply Voltage 5 to 24 VDC
- Supply Current 3mA typ., 6mA max
- Output Sink Current 20mA max
- Output Signal : Open Collector
- Thread: M12-1
- Wire 20 AWG x 40"(1m) length

### Install tip

If you are unable to measure air gap between the gear tooth and sensor, thread the sensor in until it touches the gear tooth. Then, unthread sensor one full rotation. This will provide an acceptable air gap.



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