



MAGNETIC SENSORS CORPORATION  
Measuring the Rate of Progress Since 1983

## Proximity Switch Sensors

Hall Effect Sensor  
Part Number: 413010-00

### Description:

- Direction of travel sensing
- True zero speed sensing
- Digital output
- Supply Voltage from 4.5 - 24Vdc
- Operating Temp -40°C to + 125°C
- No moving parts or contacts
- Easy orientation
- Customized versions available
- Adapts to various configurations

### Applications:

- Automotive
- Engine Speed
- Power Generation Turbines
- Turbochargers
- Transmission
- Exercise Equipment



SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
INPUT VOLTAGE	4.5 TO 24 VDC	HOUSING MATERIAL	Aluminum	MAGNETIC FLUX DENSITY	180 GAUSS NOM AT SENSOR FACE
INPUT CURRENT	20 mA MAX	OPERATING TEMPERATURE	-40° C to 150° C	INSULATION RESISTANCE	100 MEGOHMS MIN AT 100 VDC.
OUTPUT	OPEN COLLECTOR WITH 4.7 K Ω PULLUP.	WIRE	30 AWG	VIBRATION RESISTANCE	20 g AT 10-2000 Hz.
OUTPUT SINKING CURRENT	50 mA MAX	MOUNTING THREAD SIZE	3/4-16 UNF 2A	SHOCK RESISTANCE	50 g PEAK, 3 MUTUALLY PERPENDICULAR AXIS
OPERATING FREQUENCY	0-20 KHz	CONNECTOR	N/A	TARGET	Ø6.9 WHEEL WITH FOUR Ø.187 x .400 AINiCo 8 MAGNETS.

