



MAGNETIC SENSORS CORPORATION
Measuring the Rate of Progress Since 1983

Hall Effect Speed Sensors

Hall Effect Speed Sensor
Part Number: 427013-70

Description:

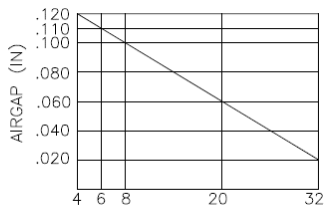
- Near zero speed sensing
- Digital output
- Supply Voltage from 4.5 - 24Vdc
- Operating Temp -40°C to + 125°C
- Customized versions available
- Adapts to various configurations

Applications:

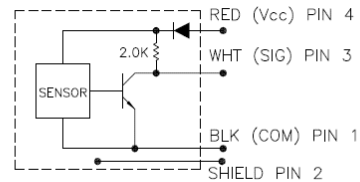
- Engine Management
- Electromotive Valve Actuator
- Hydraulic Motors
- Turbines
- Diesel Engine
- APU



SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
INPUT VOLTAGE	5 TO 24 VDC	HOUSING MATERIAL	303 S.S.	OUTPUT	NPN XSTR WITH 4.7K OHM INTERNAL RESISTOR
INPUT CURRENT	9 mA MAX	DIELECTRIC STRENGTH	150 VRMS	SENSING FREQUENCY	0-15 KHz
OUTPUT CURRENT	25 mA MAX	WIRE	24 AWG	TEST WHEEL	SEE GRAPH
OPERATING TEMPERATURE	-20° C to 125° C	MOUNTING THREAD SIZE	15/32-32 UN 2A	AIR GAP	SEE GRAPH
OUTPUT SATURATION VOLTAGE	0.6 V MAX	CONNECTOR	MOLEX: 43030-0001	OVERALL LENGTH	1.00 in



GEAR PITCH vs AIRGAP



SCHEMATIC

