

## Speed Sensor for Power Generation

Variable Reluctance Speed Sensor  
Part Number: 401029-20

### Description:

- Analog Variable Reluctance
- Passive Sensor
- Generate a sine; wave output
- No external power source
- Voltage is determined by target speed and air gap.

### Applications:

- Governors
- Rail actuators
- Agricultural equipment
- Manufacturing control systems



SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
NOM. RESISTANCE	180 OHMS $\pm$ 20%	HOUSING MATERIAL	300 SERIES S.S.	OUTPUT VOLTAGE	60 V MIN. PEAK TO PEAK AT THE FOLLOWING CONDITIONS
INDUCTANCE	85mH	OVERALL LENGTH	5.60 in	SURFACE SPEED	1000 I.P.S.
OPERATING TEMPERATURE	-65° F to 225° F	WIRE	N/A	TEST WHEEL	8 PITCH GEAR
DIELECTRIC STRENGTH	500 VDC $\pm$ 15V	MOUNTING THREAD SIZE	5/8-18 UNF-2A	AIR GAP	.005 in
POLARITY	PIN B POSITIVE WITH RESPECT TO PIN A WITH THE APPROACH OF FERROUS TARGET	CONNECTOR	Amphenol/MS Std. MS 3106A-10SL-4S	LOAD RESISTANCE	100 Kohm

