



MAGNETIC SENSORS CORPORATION
Measuring the Rate of Progress Since 1983

HE Speed and Direction Sensors

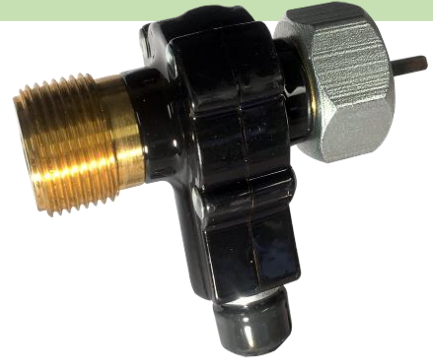
Hall Effect Sensor
Part Number: 413027-20

Description:

- Direction of travel sensing
- True zero speed sensing
- Digital output
- Supply Voltage from 4.5 - 24Vdc
- Operating Temp -40°C to + 100°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 | 6 TO 24 VDC | HOUSING MATERIAL | 380 Aluminum | OUTPUT | 16 PULSES PER REVOLUTION |
| INPUT CURRENT | 13 mA MAX (at output HI) | OPERATING TEMPERATURE | -40° C to 100° C | DUTY CYCLE | 50% ± 20% |
| OUTPUT CURRENT | 20 mA MAX | WIRE | 22 AWG | REVERSE POLARITY PROTECTED | VCC TO GND |
| OUTPUT LOW | 0.600 V MAX | MOUNTING THREAD SIZE | M18 X 1.5 | OUTPUT 2 | CLOCKWISE: LOGIC 1 HI CCW: LOGIC 0 LOW |
| OVERALL LENGTH | 70 mm | CONNECTOR | ITT CANNON MS27467T9B35PA | OUTPUT 1 | SQUARE WAVE LOW: 0.6 VMAX HIGH: VCC MAX |

