Non-contact Rotary Position Sensor

PE18
Extremely compact, J1939 capable
Patented true non-contact position sensing
0.5” (12mm) gap between sensor and application
0.10” (2.5mm) center alignment
30° planar tilt

Electrical
- Outputs: B - 0064 8 bit Quadrature Incremental @ 64 Pulses Per Revolution
  B - 1939 8 bit J1939 256 Count Absolute Single-Turn
  V1 8 bit voltage output w/ custom voltage and angle range
  1 8 bit voltage output w/ custom voltage and angle range
- Input Power: 6 to 30 VDC at approx 60 mA max, not including output loads
- Electrical Protection: Over-voltage, reserve-voltage, output short-circuit protected
- LED Indicators: Power and communication
- Connections: M8, Flying Lead Cable or Shielded Flying Lead
- Resolution: 5.625° (8 bit 64 positions across 360°)
- Accuracy: 0.6°
- Hysteresis: 0.18°

Housing
- Housing Diameter: 0.71” (18mm)
- Housing Material: Aluminum (Red annodize standard) or Stainless steel
- Housing Height: 2.00” (50.8mm)
- Mounting: 18mm Threaded
- Weight: 0.81oz (22.8 grams) without mounting nuts
- Magnet / sensor gap*: Standard 0.5” (12mm)
- Rated planar tilt / axial gap*: Planar 30° (Max 45°) / Axial 0.1” (2.5mm)
- Speed: 3000 RPM (up to 10000 RPM max based on installation)

Environmental
- Operating Temp: -30° to +80° C
- Storage Temp: -40° to +80° C
- Humidity: 100%
- Shock: 400g/6ms (MIL STD 202)
- Vibration: 5 to 3000 Hz, 20g (MIL STD 202)
- Protection Class: IP67 with Standard M8 (IP69k Optional)

Accessories
- Application Magnet: MAGH-RING included with purchase
- Mating Cable: PKG-6M2 optional for M8 connector

Product Order Guide

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<td>B-0064-SEPP 64 pulse single ended quadrature output</td>
<td>M8 6 pin M8 male</td>
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<td>101 Sense element orientation Side sense orientation</td>
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