PEBX
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
I1 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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Housing material Red aluminum
Housing material Black aluminum
Housing material Stainless Steel

Sense element orientation Side sense orientation

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