

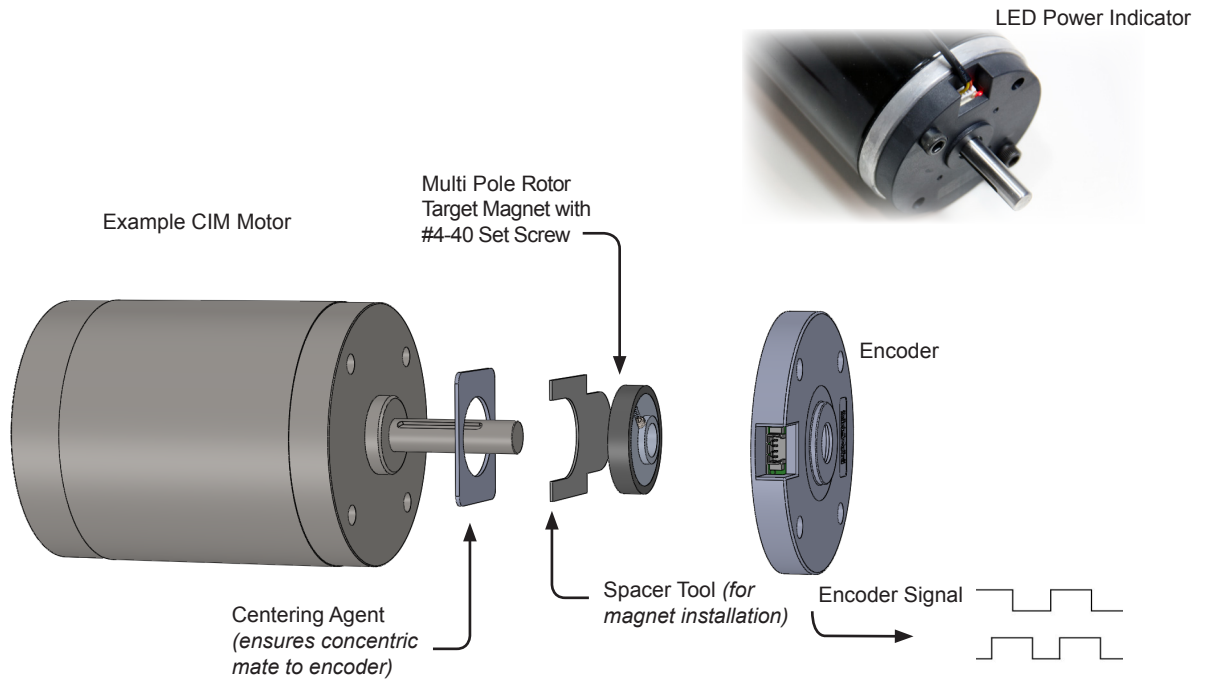
Features and Benefits

- 3.3 to 5.0 V supply voltage operation
- Designed to mount on CIM motor drive side.
- Kit includes
 - Encoder
 - Target Magnet with set screw
 - Centering agent
 - Spacer tool for magnet installation
- 2 channel quadrature output with 20 pulses per channel per revolution for sensing speed and direction.
- Magnetic technology offers robust performance.
- 100% Non-Contacting design (no bearings or bushing) provides an extremely long life expectancy.
- Outputs are logic 0 to 3.3 V
- Standard 4 pin Molex connector



Kit - Encoder with Target Magnet, centering agent, and spacer/installation tool

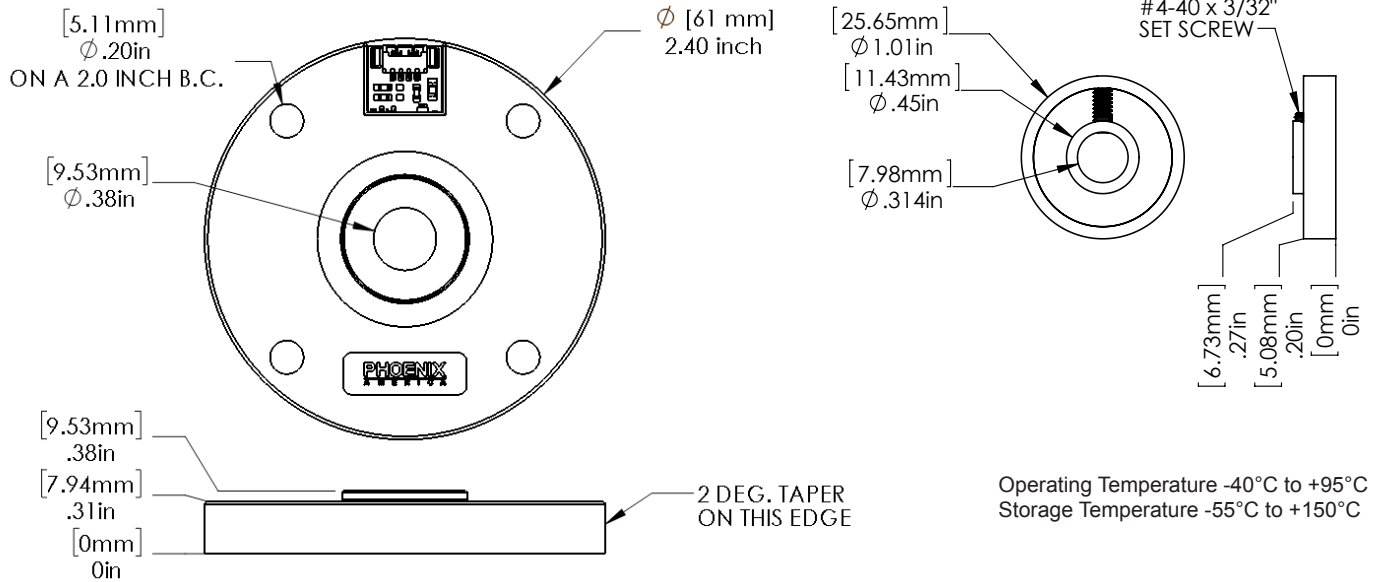
Application Example



Physical Outline

Encoder

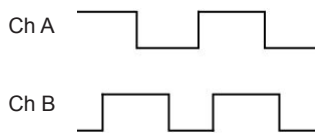
Target Magnet



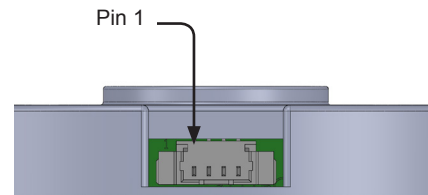
Electrical Parameters

| Pin # | Function | Type | Parameter | Notes: |
|-------|----------|---|-----------------|--|
| 1 | VDD | Supply | +3.3 to 5.0 VDC | Absolute Max -0.3 / +6.0 VDC Supply Current 6.0 mA typical. (5V supply) |
| 2 | Ch A | Open Drain with 3.3KΩ Internal Pull-up to 3.3V | | Duty Cycle 40% to 60%, A/B phase shift 80° to 90°, Maximum frequency 5KHz. |
| 3 | GND | Supply Gnd | 0 V | |
| 4 | Ch B | Open Drain with 3.3KΩ Internal Pull-up to 3.3V | | Pull-up resistors are not required on the outputs. The encoder has internal pullup resistors to a 3.3V internal regulator. |

Signal Phasing



Channel A leads channel B when the CIM motor is running in positive polarity (red wire + and black wire -)



4 Pin Connector
1.25 mm pitch