# **Hercules Encoders**

## Smart Encoder Series SE25

- Combined Heavy Duty Encoder and Motor Control Features
- Automatically adjusts to maintain speed with changes in motor load
- Enclosure: SE25-2.5" Dia. NEMA 6P and IEC IP 67 type sealing Servo, Flush or Flanged Mounting
- Shielded ABEC 5 Stainless Steel Spindle Bearings, Standard and Self-Mounting options
- Operating Voltage Flexibility 8 to 28 Vdc or 5 Vdc TTL Output, 5V or 8-15V with Line Driver
- Operating Temperature Rating designed for extremes, from -40° to +85°C (-40° to +185°F)

### Specifications

#### Mechanical

Shaft Speed Shaft Direction Standard Shaft Sizes Shaft Extension(s) Shaft Seals Mounting Bearings Radial Loading Axial Loading Accuracy Housing Weight Connector 6000 RPM maximum Bidirectional .3747", .4997" Std 0.875", .50 x .05" flat Neoprene or PTFE Options Refer to dimensional drawings .5000" ID ABEC 5 Spindle 90 lbs. Operating 45 lbs. Operating ±0.1° of Shaft Rotation Typ. Black Anodized Aluminum 22 oz. 6, 7, 10 Pin MS3102 or 18" Cable Out

#### Electrical

Supply Voltage

Supply Current Current Sinking Connections

#### Environmental

Operating Temperature Shock Vibration Humidity Enclosures (Sealed) -40° to +85°C (-40° to +185°F) 50 g's for 11 Milliseconds 5 to 2000 Hertz at 20 g's 100% Relative Humidity NEMA 6P, IEC IP 67 – Water-tight

100 mA typical., 120 mA maximum

Configured to Customer Requirement

8 to 28 Vdc

250 mA max

5 Vdc TTL output



for the latest specifications visit our website www.herculesencoders.com

#### **Dimensional Drawings**

Smart Encoder Series SE25

