## 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

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

#### **Electrical**

Supply Voltage	8 to 28 Vdc
	5 Vdc TTL output
Supply Current	100 mA typical., 120 mA maximum
Current Sinking	250 mA max
Connections	Configured to Customer Requirement

#### **Environmental**

-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

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

Rev. A

## **Dimensional Drawings**

### Smart Encoder Series SE25



