

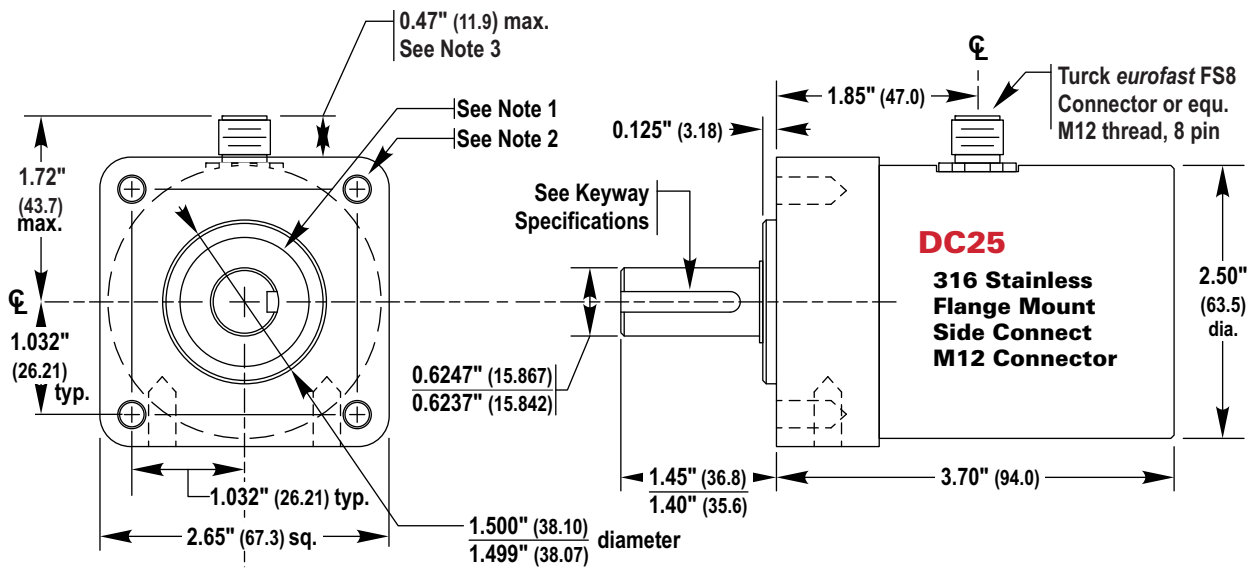
Dimension Sheet: DC25 Incremental DuraCoder with 5/8" Shaft and Stainless Steel Body

SHEET # 940-2D050

DESCRIPTION

This sheet gives the physical dimensions and connector pinout, as well as the mechanical and environmental specifications for a DC25 Incremental DuraCoder with a 5/8" shaft and stainless steel body option. A complete manual for this product is available on the AMCI website, www.amci.com.

DIMENSIONAL DRAWING

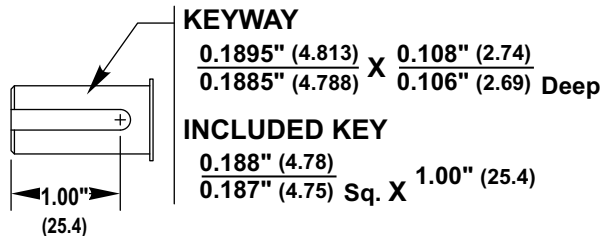


() = Dimensions in millimeters

NOTES:

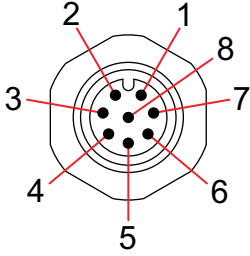
- 1) Integral Shaft Seal.
- 2) 1/4-20 UNC-2B 0.50" (12.7) minimum depth. Six Places.
- 3) Additional clearance needed for removal of mating connector.

KEYWAY SPECIFICATIONS



DC25 Dimension Sheet

CONNECTOR PINOUT



Pin #	Description
1	Power Supply Ground
2	+Vdc
3	+A Out
4	-A Out (Differential Only)
5	+B Out
6	-B Out (Differential Only)
7	+Z Out
8	-Z Out (Differential Only)

MECHANICAL SPECIFICATIONS

Package Style

2.5 inch housing with flange mounting

Connector Location

Side

Housing

316 stainless steel

Shaft

0.625" with keyway

Max. Starting Torque @ 25°C

6.0 oz-in

Moment of Inertia (oz-in-sec²)

8.50×10^{-4}

Max. Operating Speed

6000 RPM

Max. Shaft Loading

Axial: 50 lbs. (222 N)

Radial: 100 lbs. (445 N)

At the specified maximum loads, the average minimum bearing life is 2×10^9 revolutions.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature

-40°F to +185°F (-40°C to +85°C)

Shock

50g, 11 millisecond duration

Vibration

20g, 5 to 2000Hz

Enclosure Rating

IP68

Approximate Weight

3.9 lbs. (1.77 kg)