

Model 15T Incremental Encoder

Product View (Use Mouse to Rotate and Zoom)

FEATURES

High Performance Economical Encoder
Low Profile 1.0" (25.4 mm) Height and 1.5" (38 mm) Diameter
Thru-Bore with Sizes up to 0.375" (10 mm)
Simple, Innovative Flex Mounting System (Global Mounting Standards)
Up to 12 Pole Commutation Optional for Brushless Motor Control

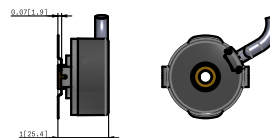
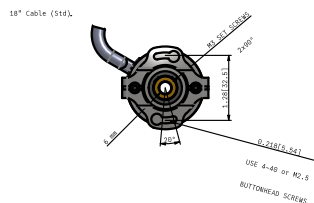
The Model 15T Accu-Coder™ offers a high performance feedback solution in a low profile package. Unlike modular or kit encoders, the Model 15 utilizes an integral bearing set and an innovative flexible mounting system, which are much more tolerant to axial misalignment or radial shaft runout. The slotted flex mounts provide 20 to 30 degrees of rotational adjustment for commutation or index pulse timing. Installation is quick and easy; for brushless servo motor applications, three 120° electrical phase tracks can provide up to 12 pole commutation feedback. The optional 100° C and 120° C temperature options allow servo motors to operate at higher power outputs and duty cycles. With its stable and reliable operation, the Model 15 is an excellent replacement modular encoder when you need a high-performance solution.

COMMON APPLICATIONS

**Servo Motor Control, Robotics, Specialty Assembly Machines, Digital Plotters,
High Power Motors**

**To Place an Order or Find Your Local Distributor
Call EPC 1-800-366-5412**

Your Selected Configuration: 15T-04SC-5000N5RHV-F00-T3



All dimensions are in inches with a tolerance of ± 0.005 or ± 0.01 unless otherwise specified.
Metric dimensions are given in brackets [mm]

For complete product specifications and configurations options, download the full Model 15T Product Datasheet from www.encoder.com/products

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Your Selected Configuration: **15T-04SC-5000N5RHV-F00-T3**

PRODUCT CONFIGURATION

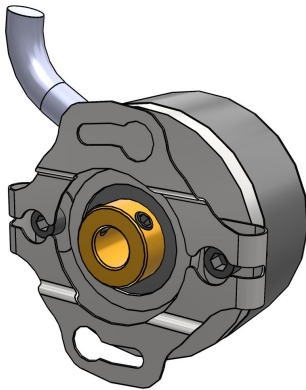
Part No.	15T-04SC-5000N5RHV-F00-T3
Model	(15T) Thru-Bore
Bore Size	(04) 6 mm
Mounting	(SC) 1.2795" (32.5 mm) Slotted Flex Mount
Cycles per Revolution	5000
Commutation	(N) No Commutation
Input Voltage	(5) 5 VDC
Number of Channels	(R) Channel A Leads B (Quadrature A & B with Index)
Output Type	(HV) Line Driver
Connector Type	(F00) 18" Cable
Maximum Frequency	Standard
Operating Temperature	(T3) -20° to +120° C
Sealing	IP50 (STD)
Certification	None (Std)

ADDITIONAL SPECIFICATIONS

Output Format	Two square waves in quadrature
Maximum Shaft Speed	8000 RPM. Contact Customer Service for higher speeds
Bore Tolerance	-0.0000"/+0.0006"
User Radial Runout	0.008" max
User Axial Endplay	±0.030" max
Starting Torque	0.2 oz-in typical
Maximum Acceleration	1x10 ⁵ rad/sec ²
Weight	3 oz typical
Humidity	98% RH non-condensing
Vibration	10g @ 58 to 500 Hz
Shock	80g @ 11 ms duration

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The EPC Advantage

- Superior Design
- Exception Value
- Quick Delivery
- Outstanding Quality
- Industry Leading 3 Year Warranty

Visit www.encoder.com for Our Complete Product Line

Encoder Products Company offers a complete line of rotary encoders to meet your most demanding feedback needs