

Series 121



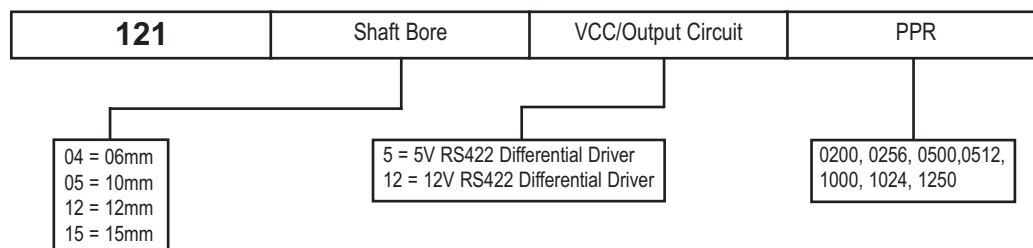
Design Features

A reliable modular encoder that requires no calibration, gapping, or special tools to install! British Encoder Products Co. has taken the performance of modular encoders to a new level with the Model 121 Auto-Aligning Modular Encoder. This new and innovative design provides simple, reliable, hassle free installation. Simply tighten the shaft clamp, install the mounting screws, and you're done!

Specifications

Input Voltage range	5 or 12V, Please specify	User radial shaft runout	0.15mm max TIR
Current consumption	100mA typical (no output load)	User axial shaft end play	±0.7mm
Output circuits	Line Driver	Radial loading	Being the mass of the encoder
Frequency response	100 KHz (200 and 300 KHz optional)	Axial loading	Being the mass of the encoder
Symmetry	180° ±18% electrical at 100 KHz	Moment of inertia	50 g/cm
Quadrature Phasing	90° ±22.5% electrical at 100 KHz	Acceleration	5 x 10⁵ radians/sec²
Minimum edge separation	67.5° electrical	Weight	0.3 Kg
Accuracy (cycle to cycle)	±0.1° or 6 Arc/Min	Housing	Aluminum and Zinc alloy
Cycles per revolution	See ordering information	Operating temperature	0°C to +70°C
		Storage temperature	-25°C to +100°C
		Humidity	98% RHNC
		Vibration	10 G's @ 58 to 500 Hz
		Shock	50 G's for 11 mSec

Ordering Information

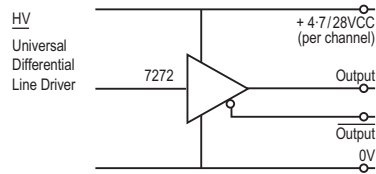


Minimum Quantity 50 Encoders





Output Circuits



Dimensions

