

Series 740

SERIES 740



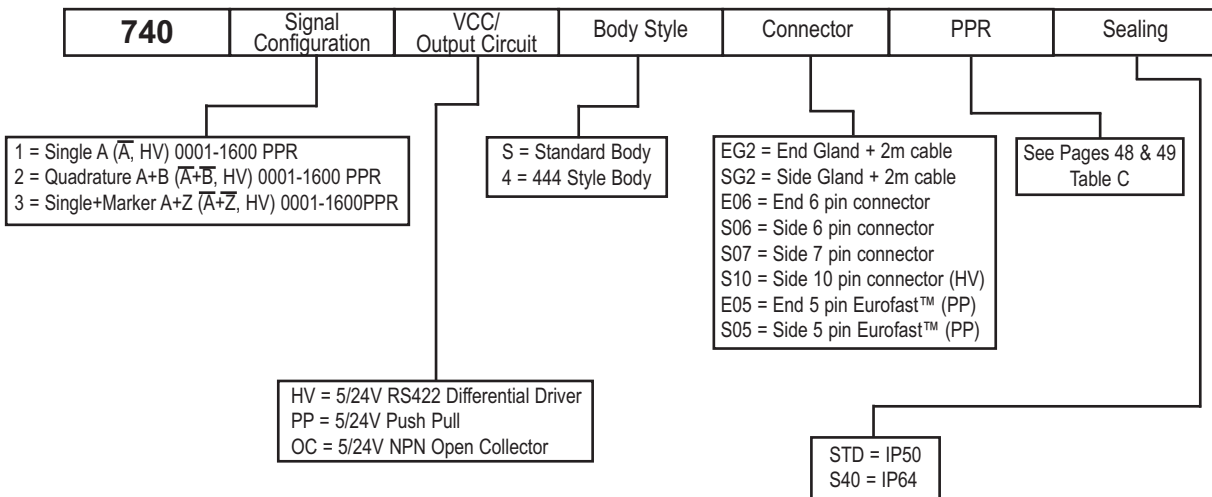
Design Features

A heavy-duty encoder, designed to equate in form, fit and function to the widely used "90mm Ø with 12mm Ø shaft" device. It is available with all of the popular output circuits and channel configurations. The bearings are double sealed to give prolonged service. The resolution may be selected from available PPRs between 0001 and 1600 PPR. This unit is also available with a "444" type tach flange. Encoder 740/1 is a single channel; 740/2 is quadrature; and 740/3 is single + marker.

Specifications

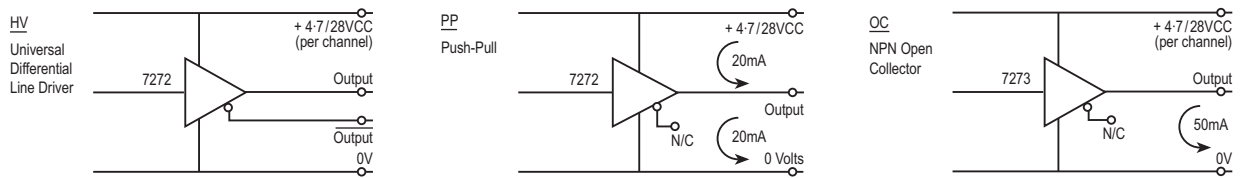
Input Voltage range	5/24V (see output circuits)	Starting torque	0.02 Nm
Regulation, for 5V operation	5%, with 2% maximum ripple	Radial loading	120 N operating
Current consumption	50 - 100mA typical	Axial loading	100 N operating
Output circuits	See Ordering Information	Moment of inertia	300 g/cm
Frequency response	50 KHz	Acceleration	10 ⁵ radians/sec ²
Symmetry	180° electrical ±5% (9°e)	Weight	0.8 kg
Quadrature Phasing	90° electrical ±10% (9°e)	Housing	Aluminum w/protective finish
Minimum edge separation	72° electrical	Mounting "S"	3 X M6 on 60mm PCD
Reference marker pulse	Gated (A • Z = F)	Mounting "4"	6 holes x 6.5mm on 100 PCD
Rise time	Less than 1 microsecond	Operating temperature	0°C to +70°C
Accuracy (cycle to cycle)	±0.017° or 1 Arc/Min	Storage temperature	-30°C to +85°C
LED life	100,000 hrs typical	Humidity	98% RHNC
Pulses per revolution	See Ordering Information	Vibration	10 G's @ 58 to 500 Hz
Max shaft speed	6,000 rpm continuous	Shock	50 G's for 11 mSec
Shaft sizes and types	12mm Stainless Steel	Protection	IP50 standard
Shaft tolerance	g6, sliding fit for H7		IP64 with sealed bearings
Bearings	Double Sealed ABEC 5		

Ordering Information



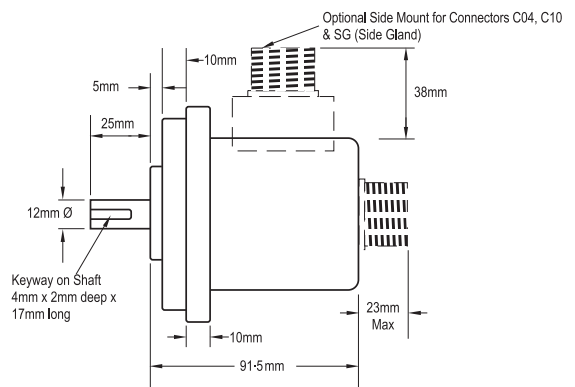
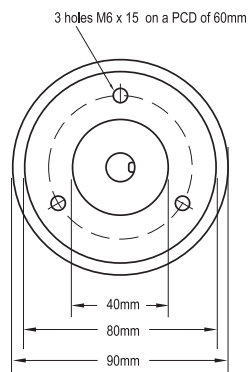


Output Circuits



Dimensions

Standard Configuration ("S")



"444" Configuration ("4")

