



Description

These versatile, dependable and rugged encoders are ideal for use with electronic counters, PLC's, motion controllers and motor drives. A wide selection of resolutions (Pulse Per Revolution, PPR) makes the Model 65 ideal for a wide variety of applications. The sealed aluminum housing offers greater protection from dust, shock and other hazards found in industrial environments.

Features

- Quadrature or unidirectional output
- 1/4" [6.4mm] shaft diameter, 303, stainless steel
- Double shaft extension
- NPN transistor output

Options

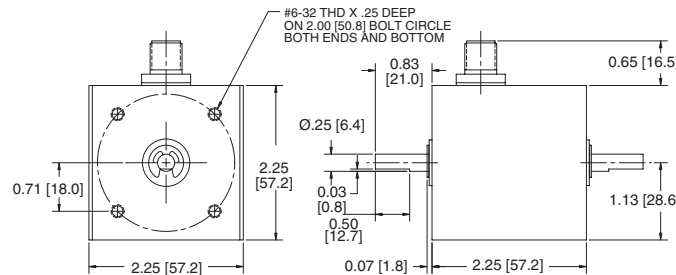
- Rugged duty housing
- +5 to +28VDC input power
- Wide selection of resolutions
- Heavy duty sealed bearings

Specifications

Input:	Voltage: +5 to +28VDC Current: 80mA with no output load	Radial Load:	40 pounds maximum
Output:	Current sinking NPN open collector Transistor Single channel, 250mA max quadrature, 250mA max per output.	Axial Shaft Loading:	30 pounds maximum
Connections:	Eurofast connector	Starting Torque:	3.00 oz-inches
Cable /Connector:	(8 pin) RKC 8T2/S618, (Turck P/N) 2 meters long	Moment of Inertia:	6.5 X 10 ⁶ oz in sec ²
Housing:	Black non-corrosive finished, aluminum	Mounting:	Tapped mounting holes on three sides for base or face mounting
Max. Shaft Speed:	6,000 RPM	Weight:	1lb ([284g])
Frequency Response:	0-125 kHz	Operating Temp:	32°F to 185°F [0°C to 85°C]
Bearings:	ABEC 3 double sealed shaft ball bearings	Storage Temp:	-13°F to +212°F [-25° to +100°C]
		Shock:	50 g's @ 100ms duration
		Vibration:	10 g's @ 58 to 500 cps
		Humidity:	98% RH non-condensing

Models	Description	PPR*	Models	Description	PPR*
6510-0060		60	6520-0010		10
6510-0100		100	6520-0012	DUAL CHANNEL	12
6510-0600	SINGLE CHANNEL	600	6520-0100	(QUADRATURE)	100
6510-1000		1,000	6520-0120		120
6510-1200		1,200	6520-0500		500
*Only popular PPR's are listed, other PPR's are available on special order.			6520-0600		600
			RKC 8T2/S618	8 Pin Cable 6' (2 meters) long	

Dimensions



Applications

Measuring Wheel Length sensors



Generating pulses from idler roll with RPG



Generating Quadrature signal for position from lead screw rotation using RPG

