Optical Rotary Encoders Series 62A

These low cost encoders offer long life (over 1 million cycles, 250,000 operations) with small size and optional integrated pushbutton. They are ideal for radio frequency setting, drill depth setting and other applications where detents are desired for operator feedback. Rugged metal shaft and bushing for long life. Mates with AMP Connector 7-25579-4 Vertical and 7-251460-6 Right Angle.

Specifications:
- Dimensions: Shaft - 0.571 (11.99mm) long
- Pin Spacing: 0.250 (6.35mm) diameter
- Thread: 8-32 – Overall Diameter: 0.413 (10.50mm)

Encoder Ratings:
- Operating Voltage: 5 ± 0.25VDC
- Supply Current: 50mA maximum at 5VDC
- Operating Torque: 2.0 in-oz ± 1.40 in-oz initially
- Rotational Life: > 1 million cycles of operation (cycle is rotation through all positions and return)

Switch Rating:
- Switches: N.O. and N.C.: 5VDC Supply Current: 50mA maximum at 5VDC

Applications:
- Encoder Series 62P Optical Rotary Encoders are designed for continuous operation with high resolution. Made with stainless steel shaft and bushing for extending life (10 million life cycles).
- Features: High resolution. Rugged construction. Cable or integrated pushbutton. 10 million life cycles. 300 RPM shaft rotation. 61K is a 4 pin output. 61R is a 5 pin output. 63R is a 5 pin output with 300 million life cycles. 5,000 RPM Shaft Rotation. No encoder. Specifications: Operating Voltage: 5 ± 0.25VDC. Supply Current: 30mA maximum at 5VDC. Logic Output Characteristics: Output Type: Open collector with integrated Schottky transistor and 10K ohm pull-up resistor. Maximum Sink Current: 16mA at 50 Volts. Power Consumption: 150mW maximum. Operating Rise Time: 50ns. Operating Fall Time: 16ns. Mechanical Life: 10 million revolutions. Time Life: Guaranteed for 10 years of continuous operation (calculated from emitter degradability data). Operating Temperature Range: -40°C – 85°C

Industrial Optical Rotary Encoders Series 61K, 61R, 63R

These rugged encoders are designed for continuous operations with high resolution. Made with stainless steel shaft and bushing for extending life (10 million life cycles).

Features:
- High resolution. Rugged construction. Cable or integrated pushbutton. 10 million life cycles. 300 RPM shaft rotation. 61K is a 4 pin output. 61R is a 5 pin output. 63R is a 5 pin output with 300 million life cycles. 5,000 RPM Shaft Rotation. No encoder. Specifications: Operating Voltage: 5 ± 0.25VDC. Supply Current: 30mA maximum at 5VDC. Logic Output Characteristics: Output Type: Open collector with integrated Schottky transistor and 10K ohm pull-up resistor. Maximum Sink Current: 16mA at 50 Volts. Power Consumption: 150mW maximum. Operating Rise Time: 50ns. Operating Fall Time: 16ns. Mechanical Life: 10 million revolutions. Time Life: Guaranteed for 10 years of continuous operation (calculated from emitter degradability data). Operating Temperature Range: -40°C – 85°C

All prices are in U.S. dollars (www.digikey.com). — Toll-Free: 00801-85-4023
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