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[Encoder-Incremental](#)

| Jameco Part # | Manufacturer | Manufacturer Part # | Description | Pulses per Revolution | Body Orientation | Built In Switch | Detents | Output Type | Mounting | Product Type | Shaft Diameter | Shaft Style | Termination Style | Price 1 |
|-------------------------|---------------|---------------------|--|-----------------------|------------------|-----------------|---------|--------------------------|------------------|---------------------------|----------------|-------------|-------------------------------------|---------|
| 2277703 | Bourns | PEC11-4020K-S0012 | 12mm Incremental Rotary Encoder PEC11 Series 2 Channel | 12 | Vertical | Yes | No | Quadrature (Incremental) | Panel Mount, PCB | Rotary Mechanical Encoder | 6.00mm | Knurled End | PC Pins | \$1.95 |
| 2320415 | Grayhill | 62S18-H9-020CH | Rotary Encoder Optical 20ppr Quadrature (Incremental) Vertical with 2" Cable Connector | 20 | Vertical | Yes | Yes | Quadrature (Incremental) | Panel Mount | Rotary Optical Encoder | 6.35mm | D-Shaft | 2" Cable (0.1" pitch) w/ Connector | \$39.95 |
| 2320407 | Grayhill | 62S18-H9-050C | Rotary Encoder Optical 20ppr Quadrature (Incremental) Vertical with 5" Cable Connector | 20 | Vertical | Yes | Yes | Quadrature (Incremental) | Panel Mount | Rotary Optical Encoder | 6.35mm | D-Shaft | 5" Cable (0.05" pitch) w/ Connector | \$39.95 |
| 2276447 | Alps Electric | EC11J0924410 | 11mm Size Flat Metal Shaft Encoder 9 Detents with Push-On Switch (SMD) | 9 | Vertical | Yes | Yes | Incremental | PCB | Rotary Mechanical Encoder | 5.98mm | D-Shaft | SMD | \$0.99 |