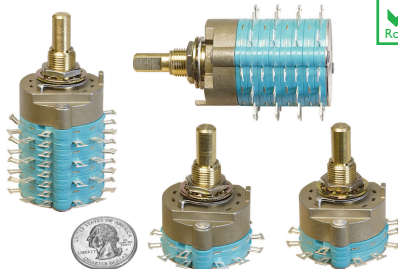


## Series C4

The most versatile of all the enclosed rotary switches, the Series C4 provides a fully enclosed, modular, environment-proof package that helps keep dirt and moisture out of the contact area, while locking in lifetime lubricants. The modular design allows for a wide range of switching configurations, while the rugged, wear-compensating detent and thermostat modules satisfy the most demanding industrial, computer or other commercial applications.

**Electrical Ratings (Resistive):** Silver-plated brass contacts — 0.3 A at 125 VAC, 0.5 A at 28 VDC. **Contact Resistance (Ohms — Initial):** Silver-plated brass (standard material) — 0.003 or less; Silver alloy — 0.002 or less.

**Current Carrying Capacity:** 15 A. **Maximum Temperature Rise:** 30°C. **Voltage Breakdown (Sea Level):** 1000 VAC. **Rotational Torque (Variable):** 12 to 96 in. oz. **Stop Strength:** Acetal housing material (standard material) — 10 in. lbs.; Die cast housing material — 25 in. lbs. **Minimum Mechanical Life:** 25,000 cycles. **Available Index Angles:** 22.5°, 30°, 36°, 45°, 60°, 90°, 180°. Shorting switches also are available. Order knobs separately.



### Standards

- ▶ Dialyl Phthalate Material
- ▶ 30° Index (2-16 Pos.)

- ▶ Solder Lug Terminals
- ▶ Adjustable Stops

### Options

- ▶ Front or Rear of Switch PCB Through-Hole Terminals
- ▶ Keylocks
- ▶ Spring Return
- ▶ UL Listing
- ▶ BCD Output

Stock No.	Mfr.'s Type	Total Poles	No. of Positions	EACH		
				1-14	15-24	25-49
70152412	C4D0112N-A	01	02-12	17.99	15.14	14.57
70152169	C4D1006N-A	01	02-06	49.33	48.60	47.21
70152413	C4D0206N-A	02	02-06	15.30	14.82	14.16
70152128	C4D0206S-A	02	02-06	20.40	—	—
70152414	C4D0304N-A	03	02-04	16.32	15.79	15.30
70152415	C4D0212N-A	02	02-12	23.18	21.25	20.56
70152416	C4D0406N-A	04	02-06	23.92	22.69	20.56
70152417	C4D0604N-A	06	02-04	22.78	22.05	21.03
70152418	C4D0312N-A	03	02-12	26.52	24.48	22.73
70152419	C4D0606N-A	06	02-06	29.17	28.18	26.82
70152420	C4D0904N-A	09	02-04	31.55	—	—
70152421	C4D0412N-A	04	02-12	37.35	36.81	35.28
70152422	C4D0806N-A	08	02-06	38.33	35.99	34.79
70152423	C4D1204N-A	12	02-04	35.70	32.95	30.60

## Series C5 and C6 Sealed Switches

Series C5 and C6 are economical, one deck, washable switches with a minimum mechanical life of 25,000 cycles. The unique design features a 360° housing-to-deck snap fit, insert molded terminals and O-ring sealing options (both internal shaft and external panel). They are ideal for applications where process or environmental moisture or contamination concerns must be solved.

**Electrical Ratings (Resistive):** Silver-plated brass contacts — 1.0 A at 125 VAC. **Contact Resistance (Ohms — Initial):** Silver-plated brass less than 0.020 ohms. **Current Carrying Capacity:** 5 A. **Maximum Temperature Rise:** 30°C. **Voltage Breakdown (Sea Level):** 1000 VAC. **Rotational Torque (Variable):** 15 in. oz. nominal. **Stop Strength:** Adjustable stop housing — 5 in. lbs. minimum; Fixed stop housing — 12 in. lbs. nominal. **Minimum Mechanical Life:** 25,000 cycles. **Available Index Angles:** 30°. Shorting switches also are available. Order knobs separately.



### Standards

- ▶ Polyester Material
- ▶ 30° Index (2-12 Pos.)

- ▶ Solder Lug Terminals
- ▶ Adjustable Stops

### Options

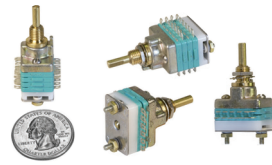
- ▶ Rear PC Terminals
- ▶ Flag Terminals
- ▶ Watertight Seals (Series C5)

Stock No.	Mfr.'s Type	Total Poles	No. of Positions	EACH		
				1-24	25-49	50-99
70152426	C5P0112N-A	01	02-12	6.28	6.09	5.83
70152127	C5P0112N-RA	01	02-12	7.64	7.21	6.62
70152425	C5P0206N-A	02	02-06	6.82	6.63	6.46
70152427	C5P0304N-A	03	02-04	7.53	7.31	7.10
70152428	C5P0403N-A	04	02-03	7.61	7.50	7.29
70152424	C6P0206N-A	02	02-06	6.43	6.24	5.97
70152429	C6P0304N-A	03	02-04	6.84	—	—
70152430	C6P0403N-A	04	02-03	7.73	7.50	7.29
70152431	C6P0112N-A	01	02-12	5.96	5.79	5.62

## Series C1

Series C1 is the ideal rotary switch to specify when space is at a premium and dependable switching is a priority. The subminiature, rectangular design is a fully enclosed, environment-proof package that helps keep dirt and moisture out of the contact area, while keeping the lubricant sealed in for long life and high reliability. Its modular design allows for a wide variety of switching configurations to suit your needs.

**Electrical Ratings (Resistive):** Silver-plated brass contacts — 0.10 A at 125 VAC, 0.25 A at 28 VDC. **Contact Resistance (Ohms — Initial):** Silver-plated brass — 0.005 or less. **Current Carrying Capacity:** 6 A. **Maximum Temperature Rise:** 30°C. **Voltage Breakdown (Sea Level):** 600 VAC. **Rotational Torque (Variable):** 5 to 30 in. oz. **Stop Strength:** Acetal housing material — 5 in. lbs. **Minimum Mechanical Life:** 25,000 cycles. **Available Index Angles:** 30°, 60°, 90°. Shorting switches also are available. Order knobs separately.



### Standards

- ▶ Dialyl Phthalate Material
- ▶ 30° Index (2-12 Pos.)
- ▶ Solder Lug Terminals
- ▶ Adjustable Stops

### Options

- ▶ Right-Angle and Rear PCB Terminal Mounts
- ▶ Dual Concentric Designs
- ▶ Watertight Seals
- ▶ Keylocks

Stock No.	Mfr.'s Type	Total Poles	No. of Positions	EACH		
				1-14	15-24	25-49
70152400	C1D0112N-A	01	02-12	23.17	22.84	22.52
70152401	C1D0206N-A	02	02-06	22.98	22.33	21.54
70152402	C1D0304N-A	03	02-04	23.13	21.19	20.30
70152404	C1D0406N-A	04	02-06	30.03	29.61	29.20
70152405	C1D0604N-A	06	02-04	31.18	30.74	30.32

## 500 Series Magnetic Encoders



The Electroswitch 500 Series Magnetic Encoders integrates Hall Effect sensing and digital signal processing to provide high-resolution angular measurement solutions. An important advantage of the 500 Series is the dramatic reduction in package size to 1/2 inch, while still incorporating the performance and output options required to support the widest range of industrial and motion sensing applications. The 500 Series design leverages its reduced part count and simplified construction to provide extremely robust, high shock and vibration resistant performance, excelling in harsh and dirty environments.

### Features:

- ▶ Compact, Robust, 1/2" Package
- ▶ Low Power Consumption
- ▶ Best Encoder Reliability
- ▶ Excellent Harsh Environment Performance

### Applications:

- ▶ Motor Controls
- ▶ Audio/Entertainment
- ▶ Medical
- ▶ Industrial Position Sensing and Position Control



Stock No.	Mfr.'s Type	Shaft Size	Bearing Type	Code	Resolution	Termination	EACH		
							1-24	25-49	50+
70152187	50S0-0032-S010	0.250"	Sleeve	Quadrature	32	Straight Pins	35.73	34.74	33.35
70152188	50S0-0064-S010	0.250"	Sleeve	Quadrature	64	Straight Pins	41.15	38.66	35.25
70152189	50S0-0128-S010	0.250"	Sleeve	Quadrature	128	Straight Pins	35.73	34.74	33.35
70152190	50S0-0256-S010	0.250"	Sleeve	Quadrature	256	Straight Pins	35.73	34.74	33.35

## Series SA Ultra-Miniature Pushbutton Switches AC and DC — Round Base

### Specifications

**Resistive Rating:** 0.75 amps resistive at 125 VAC; 1.5 amps resistive at 28 VDC; Dry circuit rated 10 milliamperes at 30 mVDC. **Pretravel:** 0.015" minimum/0.050" maximum. **Overtravel:** 0.030" minimum. **Operating Force:** 8 oz. maximum. **Electrical Life:** 50,000 operations minimum. **Mechanical Life:** 50,000 operations minimum. **Materials:** Contacts and terminals are gold-plated copper. **Mounting Hardware:** One #8-40 nut supplied unassembled.



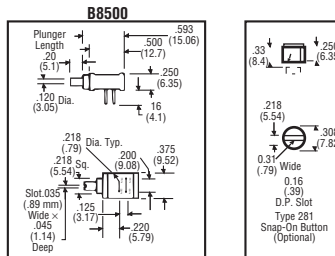
### Series SA

Stock No.	Mfr.'s Type	Circuit	Plunger Color	EACH
				1-49
70152432	SA1RV20	NO	Red	5.28
70152433	SA1BV20	NO	Black	3.89
70152434	SA1BW20	NC	Black	4.94
70152435	SA1RW20	NC	Red	5.10

### Optional Button Caps

Stock No.	Mfr.'s Type	Description	EACH
			1-49
70152436	SW53AA1	Red; 0.250" slip on cap for SA1 Series	.76
70152437	SW53AA2	Black; 0.250" slip on cap for SA1 Series	1.10

## PCB Subminiature Pushbutton Switch



"Crossed Wire" contact system eliminates bounce. High contact pressure gives low contact resistance. Drain holes permit complete flux washdown. Solid silver contacts with gold over nickel plate. Momentary or latch-down (depress plunger and rotate 30° clockwise) operation. **Current Ratings:** 1 A @ 6 VDC and 125 VDC; 0.5 A @ 28 VAC and 125 VAC. 2 Circuit poles and throw. Right-angle PCB mounting. **Note:** Optional snap-on buttons should be ordered separately.

Stock No.	Mfr.'s Type	Description	EACH		
			1-49	50-99	100-249
70152183	B8500	2 circuit switch, 0.160" Term. Length	5.75	5.27	5.10
70152158	B8600	2 circuit switch, 0.160" Term. Length	6.53	6.28	6.07
70152315	P281R	Red Snap-On Button	.21	.20	.18
70152316	P281B	Black Snap-On Button	.20	.19	.18