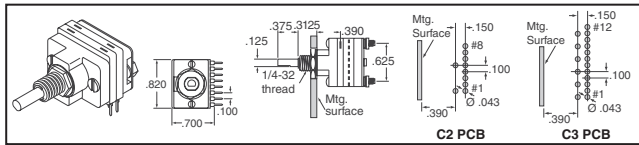


C2/C3 Series Rotary Switches 1/4 Amp

The C2/C3 series offers an 8 position and a 12 position vertical PC board mountable design. **Specifications: Electrical:** • **Current and Voltage Ratings:** 0.25 amp @ 28VDC • **Dielectric Strength:** 1,000VAC • **Contact Resistance:** Average initial 30mΩ • **Insulation Resistance:** In excess of 10,000MΩ • **Mechanical:** • **Terminal and Contacts:** Brass with silver plate • **Insulation:** Polyester • **Index Life:** 25,000 cycles minimum • **Index Angle:** 30° • **Index Stop:** Adjustable • **Stop Strength:** 8 inches/pound minimum • **Hardware:** Mounting nut and lockwasher are shipped assembled.



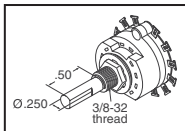
Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
C2 Series — 8 Pin — RoHS Compliant									
1	2-8	1	1	No	451-1002-ND	18.50	14.80	12.95	C2P0108N-A
2	2-8	1	2	No	451-1004-ND	22.25	17.80	15.58	C2P0208N-A
2	2-4	2	1	No	451-1003-ND	18.50	14.80	12.95	C2P0204N-A
C3 Series — 12 Pin									
1	2-12	1	1	No	451-1005-ND	18.50	14.80	12.95	C3P0112N-A
1	2-12	1	2	No	451-1007-ND	22.25	17.80	15.58	C3P0212N-A
2	2-6	2	1	No	451-1006-ND	18.50	14.80	12.95	C3P0206N-A
3	2-4	3	1	No	451-1008-ND	18.50	14.80	12.95	C3P0304N-A
4	2-6	2	2	No	451-1009-ND	22.25	17.80	15.58	C3P0406N-A
6	2-4	3	2	No	451-1010-ND	22.25	17.80	15.58	C3P0604N-A

• RoHS Compliant

C4 Series Rotary Switches 1/2 Amp

The C4 Series provides a versatile, fully enclosed design, that helps keep dirt and moisture out of the contact area while locking in lifetime lubricants.

Specifications: Electrical: • **Current and Voltage Rating:** 0.5 amp @ 28VDC; 0.3 amp @ 125VAC • **Dielectric Strength:** 1,000VAC • **Contact Resistance:** Average initial 3mΩ • **Insulation Resistance:** In excess of 10,000MΩ • **Mechanical:** • **Terminals and Contacts:** Brass with silver-plate • **Index Life:** 25,000 cycles minimum • **Index Angle:** 30° Standard, 36°, 45°, 60°, and 90° available • **Index Stop:** Adjustable • **Stop Strength:** 25 inches/pound minimum • **Insulation:** Diallyl phthalate • **Hardware:** Mounting nut and lockwasher are shipped assembled.

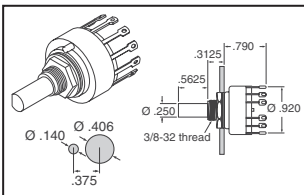


Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
1	2-12	1	1	No	451-1011-ND	15.75	12.60	11.03	C4D0112N-A
2	2-06	2	1	No	451-1012-ND	15.75	12.60	11.03	C4D0206N-A
2	2-12	1	2	No	451-1013-ND	20.25	16.20	14.18	C4D0212N-A
3	2-12	1	3	No	451-1015-ND	23.75	19.00	16.63	C4D0312N-A
3	2-04	3	1	No	451-1014-ND	16.50	13.20	11.55	C4D0304N-A
4	2-12	1	4	No	451-1017-ND	29.00	23.20	20.30	C4D0412N-A
4	2-06	2	2	No	451-1016-ND	20.25	16.20	14.18	C4D0406N-A
5	2-12	1	5	No	451-1018-ND	33.50	26.80	23.45	C4D0512N-A
6	2-06	2	3	No	451-1020-ND	24.50	19.60	17.15	C4D0606N-A
6	2-04	3	2	No	451-1019-ND	20.25	16.20	14.18	C4D0604N-A
6	2-12	1	6	No	451-1021-ND	38.00	30.40	26.60	C4D0612N-A
8	2-06	2	4	No	451-1022-ND	29.75	23.80	20.83	C4D0806N-A
10	2-06	2	5	No	451-1024-ND	35.00	28.00	24.50	C4D1006N-A
12	2-04	3	4	No	451-1025-ND	31.00	24.80	21.70	C4D1204N-A
15	2-04	3	5	No	451-1026-ND	36.25	29.00	25.38	C4D1504N-A

C5 Series Rotary Switches 1.0 Amp

The C5 Series offers a very economical and lightweight design. Standard features include 30° indexing up to 12 positions, solder lug terminals, and both internal and external seals for washability.

Specifications: Electrical: • **Current and Voltage Rating:** 1 amp @ 28VDC; 1 amp @ 125VAC • **Dielectric Strength:** 1,000VAC • **Contact Resistance:** Average initial 20mΩ • **Insulation Resistance:** in excess of 10,000MΩ • **Mechanical:** • **Terminals and Contacts:** Brass with silver-plate • **Index Life:** 25,000 cycles minimum • **Index Angle:** Positive 30° • **Index Stop:** Adjustable • **Stop Strength:** 4.5 inches/pound minimum • **Insulation:** Polyester • **Hardware:** Mounting nut and lockwasher are shipped assembled.

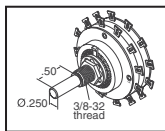


Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
C5 Series — Sealed Solder Lug									
1	2-12	1	1	No	451-1027-ND	9.25	7.40	6.48	C5P0112N-A
2	2-06	2	1	No	451-1028-ND	10.00	8.00	7.00	C5P0206N-A
3	2-04	3	1	No	451-1029-ND	10.50	8.40	7.35	C5P0304N-A
4	2-03	4	1	No	451-1030-ND	11.00	8.80	7.70	C5P0403N-A

C7 Series Rotary Switches 1.0 Amp

The C7 Series provides a fully enclosed, modular design that enables switching up to 24 positions. Our standard design offers 15° indexing and solder lug terminals.

Specifications: Electrical: • **Current and Voltage Rating:** 1.0 amp @ 28VDC; 0.5 amp @ 125VAC • **Dielectric Strength:** 1,000VAC between current carrying parts and ground • **Contact Resistance:** Average Initial 3mΩ • **Insulation Resistance:** In excess of 10,000MΩ • **Mechanical:** • **Terminals and Contacts:** Brass with silver-plate as standard • **Insulation:** Diallyl phthalate • **Index Life:** 25,000 cycles minimum • **Index Stop:** Adjustable • **Stop Strength:** 25 inches/pound minimum • **Hardware:** Mounting nut and lockwasher are shipped assembled.

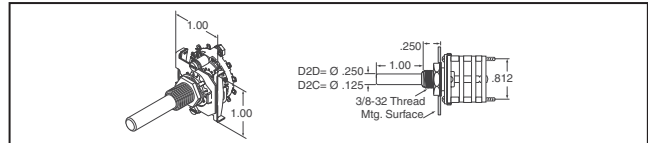


Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
1	23	1	1	No	451-1035-ND	23.75	19.00	16.63	C7D0123N
2	23	1	2	No	451-1037-ND	37.25	29.80	26.08	C7D0223N
1	24	1	1	No	451-1036-ND	23.75	19.00	16.63	C7D0124N-C
2	24	1	2	No	451-1038-ND	37.25	29.80	26.08	C7D0224N-C

D2 Series Rotary Switches .55 Amp

The D2 Series switch is used where space is at a premium. This dual ball side thrust index offers exceptional torque control. Standard designs utilize diallyl phthalate or ceramic insulation, solder lug terminals, and 30° adjustable stop indexing.

Specifications: Electrical: • **Current and Voltage Rating:** 0.55 amp @ 28VDC; 0.25 amp @ 115VAC • **Current Carrying Capacity:** 7 amps • **Dielectric Strength:** 750VAC between current carrying parts and ground • **Contact Resistance:** Average initial 5mΩ • **Insulation Resistance:** Diallyl in excess of 900,000MΩ, Ceramic in excess of 1,000,000MΩ • **Mechanical:** • **Clips and Rotors:** Brass with silver-plate as standard • **Insulation:** Diallyl phthalate or ceramic • **Index Life:** 25,000 cycles minimum • **Index Angle:** Positive 30° • **Index Stop:** Adjustable standard • **Stop Strength:** 10 inches/pound minimum • **Hardware:** Mounting nut and lockwasher are shipped assembled.



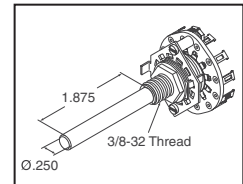
Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
1	2-12	1	1	No	451-1056-ND	35.48	29.03	25.80	D2D0112N
2	2-06	2	1	No	451-1057-ND	35.48	29.03	25.80	D2D0206N
2	2-12	1	2	No	451-1058-ND	47.03	38.48	34.20	D2D0212N
3	2-05	3	1	No	451-1059-ND	35.48	29.03	25.80	D2D0305N
3	2-12	1	3	No	451-1060-ND	54.25	43.40	37.98	D2D0312N
4	02-06	2	2	No	451-1061-ND	42.75	34.20	29.93	D2D0406N
6	02-05	3	2	No	451-1062-ND	42.75	34.20	29.93	D2D0605N
6	02-06	2	3	No	451-1063-ND	54.25	43.40	37.98	D2D0606N
1	02-11	1	1	No	451-1045-ND	45.00	36.00	31.50	D2C0111N
3	02-03	3	1	No	451-1048-ND	45.00	36.00	31.50	D2C0303N
4	02-05	2	2	No	451-1050-ND	68.75	55.00	48.13	D2C0405N

• RoHS Compliant

D4 Series Rotary Switches 1.5 Amp

The D4 Series switch is the most economical and versatile switch in our open frame rotary line. This series offers the quality feel of a ball and spring index mechanism.

Specifications: Electrical: • **Current and Voltage Rating:** 1.5 amps @ 28VDC; 0.5 amp @ 115VAC • **Dielectric Strength:** 1,500VAC • **Contact Resistance:** Average initial 3.5mΩ • **Insulation Resistance:** Glass epoxy in excess of 750,000MΩ. Ceramic in excess of 1,000,000MΩ • **Mechanical:** • **Clips and Rotors:** Brass with silver-plate as standard. • **Index Life:** 25,000 cycles minimum • **Index Angle:** Positive 30° • **Index Stop:** Adjustable • **Stop Strength:** 10 inches/pound minimum • **Hardware:** Mounting nut and lockwasher are shipped assembled.



Poles	Active Positions	Poles/Deck	No. of Decks	Shorting	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
1	02-11	1	1	No	451-1096-ND	23.75	19.00	16.63	D4G0111N
2	02-11	1	2	No	451-1098-ND	32.25	25.80	22.58	D4G0211N
2	02-05	2	1	No	451-1097-ND	23.75	19.00	16.63	D4G0205N
3	02-11	1	3	No	451-1100-ND	40.50	32.40	28.35	D4G0311N
3	02-03	3	1	No	451-1099-ND	23.75	19.00	16.63	D4G0303N
4	02-11	1	4	No	451-1102-ND	48.75	39.00	34.13	D4G0411N
4	02-05	2	2	No	451-1101-ND	32.25	25.80	22.58	D4G0405N
1	02-12	1	1	No	451-1087-ND	35.75	28.60	25.03	D4C0112N

Rotary Accessories — Knobs and Dial Plates

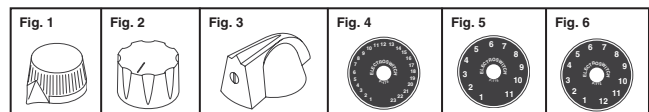


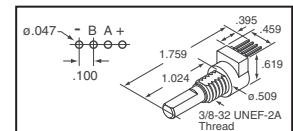
Fig.	Description	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
1	Pointer Knob with One Set Screw, .125" Shaft	451-1122-ND	3.25	2.60		1400R
2	Round Knob with One Set Screw, .250" Shaft	451-1123-ND	9.25	7.40		1914N
3	Pointer Knob with One Set Screw, .250" Shaft	451-1121-ND	2.75	2.20		P2300
4	Dial Plate, 1-23 Digit, 1.87" diameter 15°	451-1126-ND	2.63	2.10		P173
5	Dial Plate, 1-11 Digit, 1.87" diameter 30°	451-1125-ND	3.25	2.60		P118
6	Dial Plate, 1-12 Digit, 1.87" diameter 30°	451-1124-ND	3.25	2.60		P112

500 Series Magnetic Encoders

The Electroswitch 500 Series Magnetic Encoders are built upon a contact free integrated circuit design. This encoder integrates hall effect sensing and digital signal processing to provide high-resolution angular measurement solutions.

Specification: Electrical: • **Operating Voltage:** 4.7 - 5.7 VDC • **Supply Current:** 30mA max. • **Logic Output:** VCC High; 0.4 Low • **Power Consumption:** 165mW max. • **Operating Temperature:** -40°C - 105°C

Note: Mounting Hardware Included



Description	Digi-Key Part No.	Price Each	10	50	Electroswitch Part No.
Quadrature Output, 32 PPR	451-1127-ND	45.28	36.22	31.70	505Q-0032-S010
Quadrature Output, 64 PPR	451-1128-ND	45.28	36.22	31.70	505Q-0064-S010
Quadrature Output, 128 PPR	451-1129-ND	45.28	36.22	31.70	505Q-0128-S010
Quadrature Output, 256 PPR	451-1130-ND	45.28	36.22	31.70	505Q-0256-S010

More Product Available Online: www.digikey.com

Toll-Free: 1-800-344-4539 • Phone 218-681-6674 • Fax: 218-681-3380