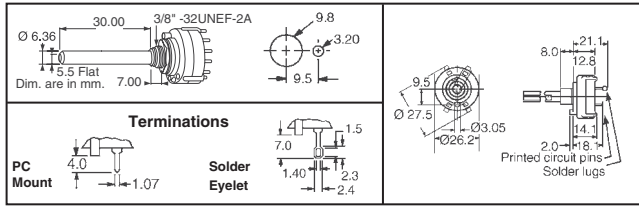




Adjustable Stop Rotary Switches KC Series

With applications ranging from test and measurement equipment to telephone base stations to hospital controls. These rotary switches have performed exceptionally well. **Specifications:** • Contacts: (Non-Shorting). Available with solder lugs or printed circuit boards pins with adjustable stops to select any number of positions
Operating Force: 570 Grams • **Indexing:** 30° Index • **Contact Rating (Switching):** 150mA 250V AC/DC; 350mA 110V AC/DC • **Contact Rating (Non-Switching):** 5 Amps • **Initial Contact Resistance:** Silver = 50mΩ maximum • **Operating Temperature:** -30°C - 85°C • **Moving and Fixed Contact:** Silver plated brass



No. of Poles	No. of Pos.	Termination	Digi-Key Part No.	1	10	100	E-Switch Part No.	
SP	12	PC Mount	EG1951-ND	5.01	44.68	385.14	KC52A30.001NPS	
SP	12	Solder Eyelet	EG1952-ND	5.01	44.68	385.14	KC52A30.001NLS	
DP	6	PC Mount	EG1953-ND	5.01	44.68	385.14	KC26A30.001NPS	
DP	6	Solder Eyelet	EG1954-ND	5.01	44.68	385.14	KC26A30.001NLS	
3P	4	PC Mount	EG1955-ND	5.01	44.68	385.14	KC34A30.001NPS	
3P	4	Solder Eyelet	EG1956-ND	5.01	44.68	385.14	KC34A30.001NLS	
4P	3	PC Mount	EG1957-ND	5.01	44.68	385.14	KC43A30.001NPS	
4P	3	Solder Eyelet	EG1958-ND	5.01	44.68	385.14	KC43A30.001NLS	
Stop Ring for 12 Position Switch				EG1959-ND	.12	1.05	9.08	G200000

8mm/10mm DIP Coded Rotary Switches

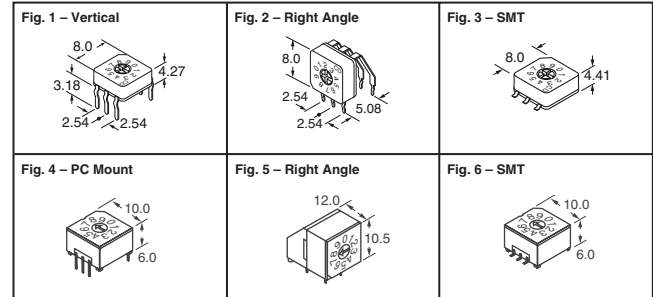


Specifications:

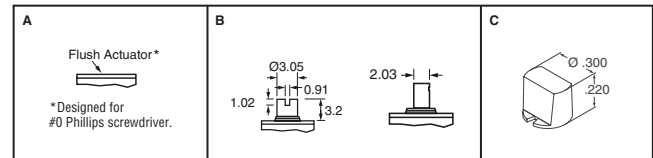
- Contact Ratings: 0.4VA maximum @ 20VAC or VDC maximum
- Mechanical and Electrical Life: 20,000 position changes
- Contact Resistance: 50mΩ maximum initial • Operating Temperature: -25°C - 85°C.

Materials:

- Cover and Base: Glass filled nylon, flame retardant, heat stabilized (UL 94V-0) RoHS version PPS
- Actuator: LCP (UL 94V-0), internal O-ring seal standard with all actuators
- Movable Contacts: Copper alloy, with gold plate over nickel plate
- Terminals: Copper alloy, with tin-lead alloy over nickel plate. RoHS Version: Copper alloy with gold plate over nickel plate. All terminals are insert molded.



Actuator Options



Dimensions in mm

Fig.	Type	Actuator	Digi-Key Part No.	1	25	100	250	C&K Part No.
8mm Rotary Dip - Vertical - Process Sealed								
1	BCD	A	CKN6157-ND	3.62	2.90	2.29	1.81	CD10RM0CB
		B	CKN6155-ND	4.15	3.32	2.63	2.08	CD10RL1CB
		C	CKN6152-ND	4.84	3.88	3.07	2.43	CD10RK1CB
	HEX	A	CKN6166-ND	3.97	3.18	2.52	1.99	CD16RM0CB
		B	CKN6164-ND	4.54	3.64	2.88	2.28	CD16RL1CB
		C	CKN6161-ND	5.24	4.20	3.32	2.63	CD16RK1CB
8mm Rotary Dip - Right Angle - Process Sealed								
2	BCD	A	CKN6156-ND	4.27	3.42	2.71	2.14	CD10RM0AB
		B	CKN6154-ND	4.78	3.83	3.03	2.40	CD10RL1AB
		C	CKN6153-ND	5.47	4.32	3.32	2.63	CD10RK1AB
	HEX	A	CKN6165-ND	4.70	3.77	2.98	2.36	CD16RM0AB
		B	CKN6163-ND	5.22	4.18	3.31	2.62	CD16RL1AB
		C	CKN6160-ND	5.92	4.74	3.75	2.96	CD16RK1AB
8mm Rotary Dip - SMT - Process Sealed								
3	BCD	A	CKN6158-ND	4.07	3.26	2.58	2.04	CD10RM0SB
		C	CKN6153-ND	5.34	4.28	3.39	2.68	CD10RK1SB
		Flush	CKN6150-ND	4.07	3.26	2.58	2.04	CD08RM0SB
	HEX	Flush	CKN6167-ND	4.49	3.59	2.85	2.25	CD16RM0SB
		C	CKN6162-ND	5.76	4.61	3.65	2.88	CD16RK1SB
		Flush Comp	CKN6159-ND	4.49	3.59	2.85	2.25	CD16CM0SB
10mm Rotary Dip - PC Mount - Process Sealed								
4	BCD	Flush	CKN6172-ND	3.72	2.98	2.36	1.86	CRD10RM0CB
	BCD Comp	Flush	CKN6169-ND	3.72	2.98	2.36	1.86	CRD10CM0CB
	HEX	Flush	CKN6178-ND	4.08	3.27	2.59	2.04	CRD16RM0CB
	HEX Comp	Flush	CKN6175-ND	4.08	3.27	2.59	2.04	CRD16CM0CB
10mm Rotary Dip - Right Angle Mount - Process Sealed								
5	BCD	Flush	CKN6171-ND	4.39	3.52	2.79	2.20	CRD10RM0AB
	BCD Comp	Flush	CKN6168-ND	4.39	3.52	2.79	2.20	CRD10CM0AB
	HEX	Flush	CKN6177-ND	4.83	3.87	3.06	2.42	CRD16RM0AB
	HEX Comp	Flush	CKN6174-ND	4.73	3.79	3.00	2.37	CRD16CM0AB
10mm Rotary Dip - Surface Mount - Process Sealed								
6	BCD	Flush	CKN6173-ND	4.20	3.36	2.66	2.10	CRD10RM0SB
	BCD Comp	Flush	CKN6170-ND	4.20	3.36	2.66	2.10	CRD10CM0SB
	HEX	Flush	CKN6179-ND	4.60	3.68	2.92	2.30	CRD16RM0SB
	HEX	Flush	CKN6176-ND	4.60	3.68	2.92	2.30	CRD16CM0SB

C&K Adjustable Stop Rotary Switches



Specifications: • Contact Rating: Switch: 2.5Amps @ 125VAC or 28VDC; 150mA @ 250VAC or DC; Carry: 5Amps
 • Electrical Life: 15,000 make-and-break cycles • Contact Resistance: 20mΩ typical • Operating Temperature: -30°C - 85°C

Materials: • Housing: Glass filled nylon, red • Movable Contact: Coin silver, silver plated • Stationary Contacts and Terminals: Brass, silver plated

Hardware: Nut, Lockwasher, Stop Ring Included

Dimensions in mm

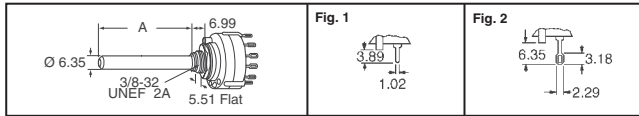


Fig.	Poles	No. of Pos.	Dim. A - mm	Digi-Key Part No.	1	25	100	250	C&K Part No.
1	SP	12	12.7	CKN6042-ND	4.65	3.73	2.95	2.33	A11205RNCQ
1	SP	12	38.1	CKC7001-ND	4.44	3.55	2.81	2.22	A11215RNCQ
2	SP	12	38.1	CKC7002-ND	4.44	3.55	2.81	2.22	A11215RNZQ
1	DP	6	38.1	CKC7003-ND	4.70	3.76	2.98	2.35	A20615RNCQ
2	DP	6	38.1	CKC7004-ND	4.70	3.76	2.98	2.35	A20615RNZQ
2	3P	4	9.53	CKN6043-ND	4.84	3.88	3.07	2.43	A30403RNCQ
1	3P	4	38.1	CKC7005-ND	4.63	3.71	2.94	2.32	A30415RNCQ
2	3P	4	38.1	CKC7006-ND	4.63	3.71	2.94	2.32	A30415RNZQ
1	4P	3	38.1	CKC7007-ND	5.08	4.07	3.22	2.55	A40315RNCQ
2	4P	3	38.1	CKC7008-ND	5.08	4.07	3.22	2.55	A40315RNZQ
Replacement Hex Nuts 3/8-32				CKN1828-ND	.57	.46	.37	.29	472706201

Half-inch Rotary Switches M Series



Dimensions in inches

Specifications:

• Contact Rating: Switch: 250mA maximum @ 125VAC or 28DC; Non-shorting contacts; Carry: 6Amps • Electrical Life: 10,000 make-and-break cycles at 150mA, 125VAC or 28DC • Operating Temperature: -30°C - 85°C • Hardware Included

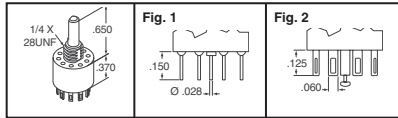


Fig.	Poles	No. of Positions	Digi-Key Part No.	1	25	100	250	C&K Part No.	
1	SP	12	CKC7011-ND	7.51	6.49	5.47	4.95	MC00L1NCQD	
	SP	10	CKN6044-ND	10.01	8.01	6.34	5.01	MA00L1NCQD	
	SP	10	CKN6047-ND	10.01	8.01	6.34	5.01	ME00L1NCQD	
	DP	6	CKC7012-ND	8.36	7.22	6.08	5.51	MD00L1NCQD	
2	SP	12	CKC7009-ND	7.23	6.25	5.26	4.77	MG00L1NZQD	
	SP	12	CKN6049-ND	7.23	6.25	5.26	4.77	MA00L1NZQD	
	SP	10	CKN6048-ND	9.63	7.70	6.10	4.82	ME00L1NZQD	
	SP	10	CKN6045-ND	9.63	7.70	6.10	4.82	MA00L1NZQD	
	DP	6	CKC7010-ND	11.01	8.81	6.98	5.51	MD00L1NZQD	
	DP	6	CKN6050-ND	11.01	8.81	6.98	5.51	MH00L1NZQD	
	DP	5	CKN6046-ND	10.70	8.57	6.78	5.36	MB00L1NZQD	
	Replacement Stop Pins				CKN1750-ND	.21	.17	.14	.11
Adhesive Mylar Washer				CKN9418-ND	.35	.28	.22	.18	537202000

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C&K DIP Switches



SDA Low Profile

Features: • Low profile design saves space • High pressure contact does not require tape seal
Specifications: • Contact Rating: 25mA @ 24VDC or 100mA @ 5VDC • Mechanical and Electrical Life: 1,000 cycles at rated loads • Operating Temperature: -20°C - 85°C

BPA Side Actuated

Features: • High pressure contact system does not require tape seal
Specifications: • Contact Rating: 100mA maximum @ 5VDC or 25mA maximum @ 5VDC • Mechanical and Electrical Life: 1,000 cycles minimum @ 5VDC, 10mA @ 24 VDC • Operating Temperature: -20°C - 85°C

SP Single In-line

Features: • Thin Single In-line Packaging saves PCB space • Retention feature holds part to PCB prior to soldering • High pressure contact system does not require tape sealing
Specifications: • Contact Rating: 100mA • Mechanical and Electrical Life: 1,000 cycles minimum • Operating Temperature: -20°C - 85°C

BD Standard Profile

Features: • Traditional full profile DIP switch • Extended actuator for easy actuation • Open bottom construction allows for solder washing without the need for tape seal
Specifications: • Contact Rating: 100mA maximum • Mechanical and Electrical Life: 10,000 cycles at full load • Operating Temperature: -40°C - 85°C

BP Side Actuated

Features: • When actuated, contacts remain below top of switch • Ideal for applications where space is limited
Specifications: • Contact Rating: 100mA maximum • Mechanical and Electrical Life: 2,000 cycles - gold contacts, 1,000 cycles - tin contacts • Operating Temperature: -20°C - 60°C

SD Low Profile

Features: • Low profile design saves space • Sealed with top tape
Specifications: • Contact Rating: 100mA @ 5VDC maximum • Mechanical and Electrical Life: 2,000 cycles at full load • Operating Temperature: -20°C - 85°C

TDA Half-pitch Ultra-mini SMT

Specifications: • Contact Rating: 50VDC, 100mA • Mechanical and Electrical Life: 1,000 cycles • Operating Temperature: -20°C - 85°C

TOP Half-pitch Side Actuated

Features: • World's first ultra-miniature SMT half-pitch side-actuated DIP • Side actuation allows visual indication of on/off position in horizontal applications
Process sealed for surface mount soldering and washable processing
Specifications: • Contact Rating: 25mA @ 24VDC or 100mA @ 5VDC • Mechanical and Electrical Life: 1,000 cycles • Operating Temperature: -20°C - 85°C

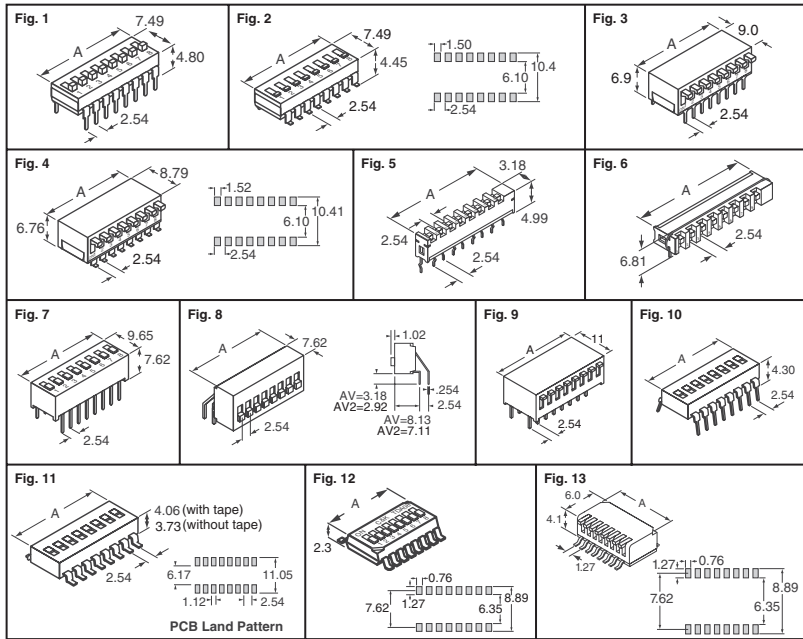


Fig.	No. of Pos.	Dim. A mm	Digi-Key Part No.	Price Each			C&K Part No.	
				1	25	100		
DIP Top Side with Extended Actuator - Unsealed								
1	2	7.06	CKN6055-ND	.69	.55	.44	SDA02H1BD	
	3	9.60	CKN6061-ND	.84	.68	.54	SDA03H1BD	
	4	12.10	CKN6067-ND	.89	.71	.56	SDA04H1BD	
	5	14.68	CKN6073-ND	.93	.75	.59	SDA05H1BD	
	6	17.18	CKN6079-ND	.95	.77	.61	SDA06H1BD	
	7	19.76	CKN6085-ND	1.02	.82	.65	SDA07H1BD	
	8	22.26	CKN6091-ND	1.13	.91	.72	SDA08H1BD	
	9	24.84	CKN6096-ND	1.25	1.00	.79	SDA09H1BD	
	10	27.34	CKN6102-ND	1.34	1.07	.85	SDA10H1BD	
	12	32.50	CKN6108-ND	1.47	1.18	.94	SDA12H1BD	
	DIP Top Side with Flush Actuator - Unsealed							
	1	2	7.06	CKN6052-ND	.69	.55	.44	SDA02H0BD
3		9.60	CKN6058-ND	.84	.68	.54	SDA03H0BD	
4		12.10	CKN6064-ND	.89	.71	.56	SDA04H0BD	
6		17.18	CKN6076-ND	.95	.77	.61	SDA06H0BD	
7		19.76	CKN6082-ND	1.02	.82	.65	SDA07H0BD	
8		22.26	CKN6088-ND	1.13	.91	.72	SDA08H0BD	
10		27.34	CKN6099-ND	1.34	1.07	.85	SDA10H0BD	
12		32.50	CKN6105-ND	1.47	1.18	.94	SDA12H0BD	
2		7.06	CKN6051-ND	.78	.63	.50	SDA02H0B	
DIP Top Side with Flush Actuator - Tape Sealed								
1		4	12.10	CKN6063-ND	.97	.78	.62	SDA04H0B
		5	14.68	CKN6069-ND	1.02	.82	.65	SDA05H0B
	6	17.18	CKN6075-ND	1.07	.86	.68	SDA06H0B	
	8	22.26	CKN6087-ND	1.25	1.00	.79	SDA08H0B	
	9	24.84	CKN6093-ND	1.34	1.07	.85	SDA09H0B	
	10	27.34	CKN6098-ND	1.45	1.17	.92	SDA10H0B	
	12	32.50	CKN6104-ND	1.56	1.26	1.00	SDA12H0B	
	SMT Top Side with Extended Actuator - Unsealed							
	2	2	7.06	CKN6056-ND	.99	.80	.64	SDA02H1SBD
		3	9.60	CKN6062-ND	1.23	.98	.78	SDA03H1SBD
		4	12.10	CKN6068-ND	1.29	1.04	.82	SDA04H1SBD
		5	14.68	CKN6074-ND	1.41	1.13	.89	SDA05H1SBD
6		17.18	CKN6080-ND	1.50	1.20	.95	SDA06H1SBD	
7		19.76	CKN6086-ND	1.50	1.20	.95	SDA07H1SBD	
8		22.26	CKN6092-ND	1.41	1.13	.90	SDA08H1SBD	
9		24.84	CKN6097-ND	1.82	1.45	1.15	SDA09H1SBD	
10		27.34	CKN6103-ND	1.92	1.55	1.22	SDA10H1SBD	
12		32.50	CKN6109-ND	2.13	1.71	1.35	SDA12H1SBD	
SMT Top Side with Flush Actuator - Unsealed								
2		2	7.06	CKN6054-ND	.99	.80	.64	SDA02H0SBD
	3	9.60	CKN6060-ND	1.23	.98	.78	SDA03H0SBD	
	4	12.10	CKN6066-ND	1.29	1.04	.82	SDA04H0SBD	
	5	14.68	CKN6072-ND	1.34	1.07	.85	SDA05H0SBD	
	6	17.18	CKN6078-ND	1.41	1.13	.89	SDA06H0SBD	
	7	19.76	CKN6084-ND	1.50	1.20	.95	SDA07H0SBD	
	8	22.26	CKN6090-ND	1.63	1.31	1.04	SDA08H0SBD	
	9	24.84	CKN6095-ND	1.82	1.45	1.15	SDA09H0SBD	
	10	27.34	CKN6101-ND	1.92	1.55	1.22	SDA10H0SBD	
	12	32.50	CKN6107-ND	2.13	1.71	1.35	SDA12H0SBD	
	SMT Top Side with Flush Actuator - Tape Sealed							
	2	2	7.06	CKN6053-ND	1.10	.88	.70	SDA02H0Sb
3		9.60	CKN6059-ND	1.34	1.07	.85	SDA03H0Sb	
4		12.10	CKN6065-ND	1.39	1.11	.88	SDA04H0Sb	
5		14.68	CKN6071-ND	1.45	1.17	.92	SDA05H0Sb	
6		17.18	CKN6077-ND	1.52	1.22	.97	SDA06H0Sb	
7		19.76	CKN6083-ND	1.58	1.27	1.01	SDA07H0Sb	
8		22.26	CKN6089-ND	1.74	1.40	1.11	SDA08H0Sb	
9		24.84	CKN6094-ND	1.92	1.55	1.22	SDA09H0Sb	
10		27.34	CKN6100-ND	2.02	1.62	1.28	SDA10H0Sb	
12		32.50	CKN6106-ND	2.22	1.78	1.41	SDA12H0Sb	
Side Actuated DIP - Unsealed								
3		2	7.11	CKN6138-ND	.91	.73	.58	BPA02B
	4	12.19	CKN6140-ND	1.11	.89	.71	BPA04B	
	5	14.68	CKN6142-ND	1.18	.95	.75	BPA05B	

Fig.	No. of Pos.	Dim. A mm	Digi-Key Part No.	Price Each			C&K Part No.	
				1	25	100		
3	6	17.30	CKN6144-ND	1.31	1.06	.84	BPA06B	
	8	22.30	CKN6146-ND	1.36	1.09	.87	BPA08B	
	10	27.43	CKN6148-ND	1.54	1.24	.98	BPA10B	
SMT Side Actuated DIP - Unsealed								
4	2	7.11	CKN6139-ND	.99	.80	.63	BPA02SB	
	4	12.19	CKN6141-ND	1.23	.98	.78	BPA04SB	
	5	14.68	CKN6143-ND	1.29	1.04	.82	BPA05SB	
	6	17.30	CKN6145-ND	1.45	1.17	.92	BPA06SB	
	8	22.30	CKN6147-ND	1.50	1.20	.95	BPA08SB	
	10	27.43	CKN6149-ND	1.70	1.36	1.08	BPA10SB	
Top Side Single In-Line SIP - Unsealed								
5	2	7.58	CKN9137-ND	1.71	1.37	1.08	SP02B	
	4	12.66	CKN9144-ND	2.03	1.63	1.29	SP04B	
	6	17.74	CKN9146-ND	2.37	1.90	1.50	SP06B	
	8	22.82	CKN9147-ND	2.74	2.20	1.74	SP08B	
	Right Angle Single In-Line SIP - Unsealed							
	6	2	7.58	CKN9149-ND	2.38	1.91	1.51	SP02AB
4		12.66	CKN9150-ND	2.67	2.14	1.70	SP04AB	
6		17.74	CKN9152-ND	4.37	3.50	2.77	SP06AB	
8		22.82	CKN9145-ND	3.35	2.69	2.13	SP08AB	
10		27.9	CKN9143-ND	3.63	2.91	2.30	SP10AB	
Top Side, Extended Actuator - Unsealed								
7	1	4.57	CKN6012-ND	.81	.66	.52	BD01	
	2	7.11	CKN3001-ND	1.18	.95	.75	BD02	
	3	9.65	CKN3002-ND	1.18	.95	.75	BD03	
	4	12.19	CKN3003-ND	1.29	1.04	.82	BD04	
	5	14.73	CKN3004-ND	1.31	1.05	.84	BD05	
	6	17.27	CKN3005-ND	1.36	1.09	.86	BD06	
	7	19.81	CKN3006-ND	1.42	1.14	.91	BD07	
	8	22.35	CKN3007-ND	1.47	1.18	.93	BD08	
	9	24.89	CKN3008-ND	1.53	1.23	.98	BD09	
	10	27.43	CKN3009-ND	1.58	1.27	1.00	BD10	
	12	32.51	CKN3010-ND	1.69	1.36	1.07	BD12	
	Right Angle Slide, Extended Actuator - Unsealed							
8	2	7.11	CKN3011-ND	2.04	1.64	1.30	BD02AV	
	3	7.11	CKN6013-ND	2.04	1.64	1.30	BD02AV2	
	3	9.65	CKN3012-ND	2.04	1.64	1.30	BD03AV	
	4	12.19	CKN3013-ND	2.15	1.73	1.37	BD04AV	
	4	12.19	CKN6014-ND	2.15	1.73	1.37	BD04AV2	
	5	14.73	CKN3014-ND	2.18	1.75	1.38	BD05AV	
	5	14.73	CKN6015-ND	2.18	1.75	1.38	BD05AV2	
	6	17.27	CKN3015-ND	2.24	1.80	1.43	BD06AV	
	6	17.27	CKN6016-ND	2.24	1.80	1.43	BD06AV2	
	7	19.81	CKN3016-ND	2.29	1.84	1.45	BD07AV	
	8	22.35	CKN3017-ND	2.34	1.87	1.48	BD08AV	
	8	22.35	CKN6017-ND	2.34	1.87	1.48	BD08AV2	
9	24.89	CKN3018-ND	2.40	1.93	1.53	BD09AV		
10	27.43	CKN3019-ND	2.45	1.96	1.56	BD10AV		
12	32.51	CKN3020-ND	2.56	2.05	1.63	BD12AV		
Side Actuated - Tape Sealed								
9	2	7.77	CKN3021-ND	1.19	.96	.76	BP02YT	
	2	7.77	CKN6020-ND	1.68	1.35	1.07	BP02KT	
	3	10.31	CKN3022-ND	1.31	1.06	.84	BP03YT	
	4	12.85	CKN3023-ND	1.34	1.07	.85	BP04YT	
	4	12.85	CKN6021-ND	1.84	1.47	1.17	BP04KT	
	5	15.39	CKN3024-ND	1.41	1.13	.90	BP05YT	
6	17.93	CKN3025-ND	1.56	1.25	.99	BP06YT		
8	23.00	CKN3027-ND	1.60	1.29	1.02	BP08YT		
8	23.00	CKN6022-ND	2.11	1.69	1.34	BP08KT		
10	28.09	CKN3028-ND	1.80	1.45	1.15	BP10YT		
12	33.17	CKN3029-ND	2.02	1.62	1.29	BP12YT		

Fig.	No. of Pos.	Dim. A mm	Digi-Key Part No.	Price Each			C&K Part No.
				1	25	100	
Side Actuated - Unsealed							
9	1	5.23	CKN6023-ND	1.21	.98	.77	BP01KE
	1	5.23	CKN6024-ND	.78	.63	.50	BP01YE
	2	7.77	CKN6025-ND	1.05	.84	.67	BP02YE
	3	10.31	CKN6026-ND	1.67	1.34	1.06	BP03KE
	4	12.85	CKN6027-ND	1.69	1.36	1.08	BP04KE
	5	15					