

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS

SERIES KC SWITCHES

ROTARY SWITCHES



FEATURES & BENEFITS

- ▶ 1 to 4 poles
- ▶ 1 to 12 positions
- ▶ No stop option

APPLICATIONS/MARKETS

- ▶ Industrial controls
- ▶ Test & instrumentation
- ▶ Appliance
- ▶ HVAC

SPECIFICATIONS

Ratings:	350 mA @ 125 VAC
	150 mA @ 250 VAC
Life Expectancy:	10,000 cycles typical
Contact Resistance:	25mΩ initial @ 2-4 VDC, 100mA
Dielectric Strength:	1,500 max V rms at sea level
Insulation Resistance:	100MΩ min.
Operating Force:	8.6 N/cm

MATERIALS

Housing, Base, Shaft:	Glass filled nylon
Contact:	Silver plated copper alloy Gold flash over silver plate
Hardware:	Nut-Zinc, nickel plated Lockwasher-Steel, zinc plated Stop ring-Brass, nickel plated



HOW TO ORDER

SERIES KC	MODEL NO. 	ACTUATOR 	ACTUATOR LENGTH 	BUSHING 	TIMING 	TERMINATION 	CONTACT MATERIAL
	See Model Options Table	A=Flat B=Round D=Slotted	See Actuator Option Chart	01 02*	N=Non-Short S=Shorting	P=PC Pin L=Solder Lug	S F



Example Ordering Number

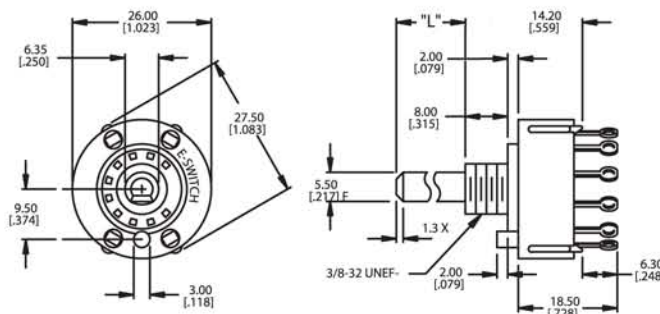
KC-13-B-7.0-02-N-L-S

* Not available with #10 model.

Specifications subject to change without notice.

KC

GENERAL INFORMATION





MODEL NUMBER OPTIONS

(SP Models)		
Model	Sw. Func.	Terms
10	12-pos.-No stops	A, 1-12
11	ST	A, 2*
12	DT	A, 1,2*
13	3 pos.	A, 1-3*
14	4 pos.	A, 1-4*
15	5 pos.	A, 1-5*
16	6 pos.	A, 1-6*
17	7 pos.	A, 1-7
18	8 pos.	A, 1-8
19	9 pos.	A, 1-9
50	10 pos.	A, 1-10
51	11 pos.	A, 1-11
52	12 pos.	A, 1-12
53	2 pos. -60° index	A, 1,3*
54	2 pos. -90° index	A, 1,4*
55	3 pos. -60° index	A, 1,3,5*
56	3 pos. -90° index	A, 1,4,7
57	4 pos. -60° index	A, 1,3,5,7
58	4 pos. -90° index	A, 1,4,7,10**
59	5 pos. -60° index	A, 1,3,5,7,9
60	6 pos. -60° index	A, 1,3,5,7,9,11

(DP Models)		
Model	Sw. Func.	Terms
20	6-pos.-No stops	A,C,1-12
21	ST	A, C,2,8
22	DT	A,C,1,2,7,8
23	3 pos.	A,C 1-3, 7-9
24	4 pos.	A,C,1-4,7-10
25	5 pos.	A,C,1-5, 7-11
26	6 pos.	A,C,1-12
70	2 pos. 60° index	A,C,1,3,7,9
71	2 pos. 90° index	A,C,1,4,7,10
72	2 pos. 60° index	A,C,1,3,5,7,9,11

* Note: Switches with P terminations (PC pins) have additional terminal no. 9 as switch support only. This terminal is not connected electrically inside switch.

** Note: Standard with stops

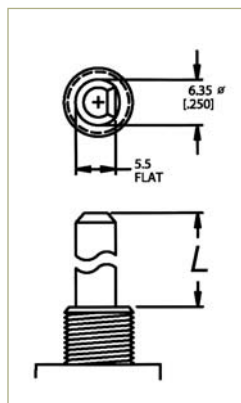
All models 30° indexing unless otherwise noted.

(3P Models)		
Model	Sw. Func.	Terms
30	4-pos.-No stops	A,B,C,1-12
31	ST	A,B,C,2,6,10
32	DT	A,B,C,1,2,5,6,9,10
33	3 pos.	A,B,C,1-3,5,7,9-11
34	4 pos.	A,B,C,1-12
80	2 pos. 60° index	A,B,C,1,3,5,7,9,11
81	2 pos. 90° index	A,B,C,1,4,5,8,9,12

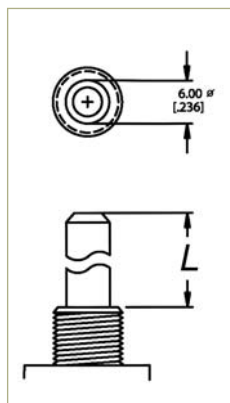
(4P Models)		
Model	Sw. Func.	Terms
40	3-pos.-No stops	all terms
41	ST	A,B,C,D,2,5,8,11
42	DT	A,B,C,D,1,2,4,5,7,8,10,11
43	3 pos.	all terms
91	2 pos. 60° index	A,B,C,D,1,3,4,6,7,9,10,12

ACTUATOR OPTIONS

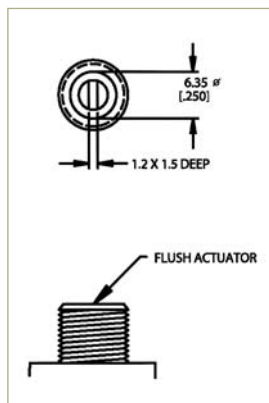
A FLAT



B ROUND



D SLOTTED

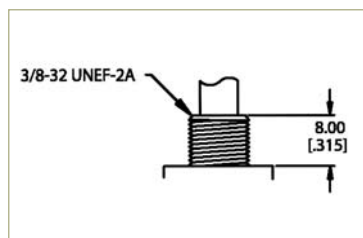


Actuator	Available Actuator Lengths (mm)					
A	30.0	38.0	9.5	7.0	10.0	13.0
B	30.0	10.0	7.0			
D	0.0					

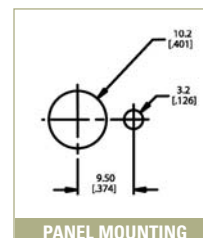
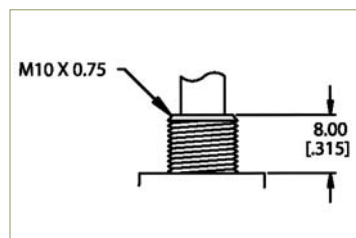
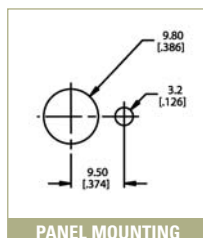
*All actuators shown in Pos. 1, fully CCW..

BUSHING OPTIONS

01 STANDARD



02 METRIC



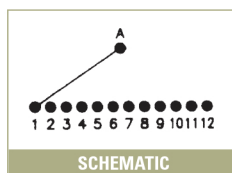
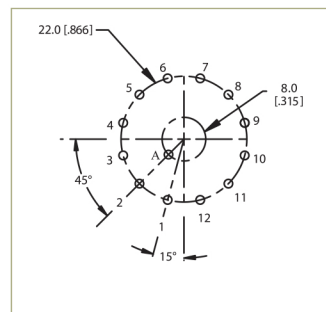


SERIES KC SWITCHES

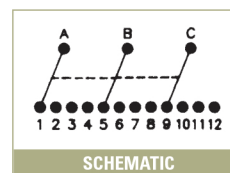
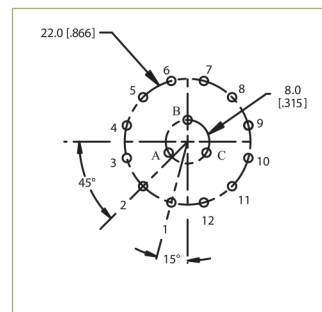
ROTARY SWITCHES

SCHEMATICS AND PC MOUNTING

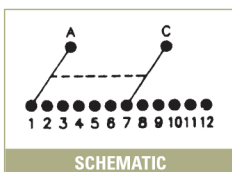
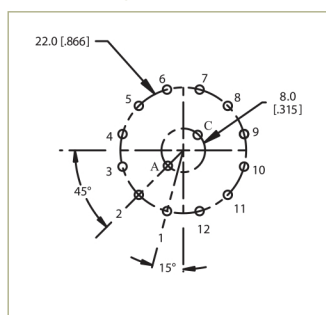
SP 1 POLE, 12 POSITIONS



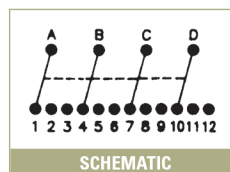
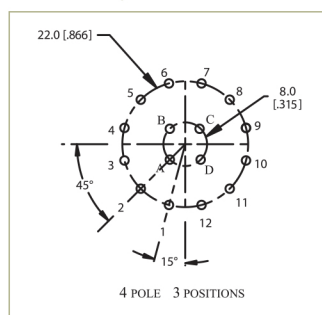
3P 3 POLE, 4 POSITIONS



DP 2 POLE, 6 POSITION



4P 4 POLE, 3 POSITIONS



TIMING OPTIONS

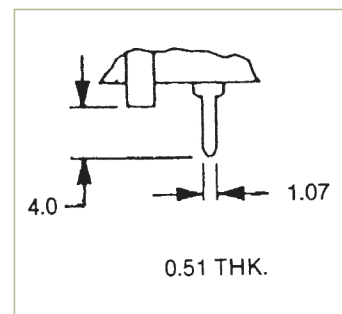
N= (STD.) Non-shorting – break before make

S = Shorting – make before break

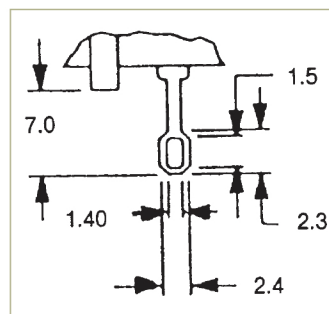
Note: (S) shorting contacts available only with 30° indexing

TERMINATION OPTIONS

P PC PIN



L SOLDER LUG



CONTACT MATERIAL OPTIONS

S = Standard Silver over copper alloy

F = Gold Flash over silver plate over copper alloy

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

E-Switch:

[KC52A3801NPS](#) [KC10A7.001NPF](#) [KC17A10.001NPF](#) [KC26D01NLF](#) [KC26D01NPS](#) [KC34C01NLS](#) [KC34A01SPS](#)
[KC22D0.001NLS](#) [KC22E01NLS](#) [KC50A13.0NPS](#) [KC14A01NLS](#) [KC5B30.001NPS](#) [KC54A01NLS](#) [KC58D01NPS](#)
[KC33E01NPS](#) [KC57E01NLS](#) [KC59C02NPS](#) [KC18B7.0002NLS](#) [KC23B10.01NLS](#) [KC23D0.001NPS](#) [KC25E01NPS](#)
[KC25E01SPS](#) [KC34A30.001SPS](#) [KC43D0.001NPS](#) [KC59E01NPF](#) [KC43E01NLS](#) [KC60A01NPS](#) [KC58B30.02NLS](#)
[KC10A9.501SPS](#) [KC14E01NPS](#) [KC14301SLS](#) [KC15A13.02NPS](#) [KC12E01NPS](#) [KC14A01NPF](#) [KC10A01NPS](#)
[KC34SP01NPSE](#) [KC56A02NLS](#) [KC33B30.002NLF](#) [KC60A10.001NPF](#) [KC15B10.001NLS](#) [KC17A10.001NLS](#)
[KC24A10.001NPS](#) [KC26B30.002NLF](#) [KC43B30.002NLS](#) [KC16D01NPS](#) [KC59A10.001NLS](#) [KC15B10.001NPS](#)
[KC16A10.001NPF](#) [KC30A01NPS42SH](#) [KC11A01NLSB15MM](#) [KC13A10.001SPSNOPEG](#) [KC14A01NLSB21MM](#)
[KC14B02NLSB18.0MM](#) [KC14B02NLSB50MM](#) [KC23A9.501SPSNOTAB](#) [KC23D01NLSFLUSHACT](#)
[KC26A13.001NPSPWITHEPOXY](#) [KC50A9.501SPSNOPEG](#) [KC50D0.001NPS](#) [KC51A13.001SPS](#) [KC52B02NLSB16](#)
[KC\(12POS.SPEC\)A21.001NPS](#) [KC1056WITHHICKOKMOD](#) [KC16C01SIMPSON06115485](#) [KC1901A-POS9](#)
[KC1901Z-CUSTOM](#) [KC24SPECIAL1NLS](#) [KC2606114960](#) [KC26C01SIMPSON06115484](#) [KC3372WITHHOTSTOP](#)
[KC3373CUSTOM](#) [KC33C01SIMPSON06115486](#) [KC34F01NLS12.7](#) [KC52SP01NPS42SH](#) [KC58SPECIAL01NLS](#)
[KC60RANCONPF](#) [KC60RANCONPF2](#) [KC60RANCONPFNOWASHHOL](#) [KC16B10.001NPF](#)