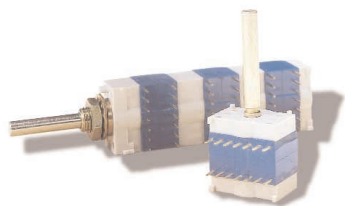


C&K MIL Series

1-4 Pole Miniature Right



Features/Benefits

- **Bushing option for panel mounting**
- **1 to 4 poles per bank and up to 5 banks per switch**
- **Totally sealed (insert molded contacts and terminals)**
- **Low profile – 12 mm above PCB**

Typical Applications

- **Telecom switching equipment**
- **Military communications**
- **Instrumentation**
- **Medical monitors**

Specifications

CONTACT RATING: Switch: 20 mA, 1 VA max. resistive load
Carry: 1 AMP.

ELECTRICAL LIFE: 20,000 operations.

OPERATING TORQUE: < 6 Ncm.

STOP STRENGTH: > 50 Ncm.

CONTACT RESISTANCE: < 40 mΩ

INSULATION RESISTANCE: 10⁹ Ω

DIELECTRIC STRENGTH: 500 V rms

OPERATING TEMPERATURE: -40°C to + 85°C

STORAGE TEMPERATURE: -55°C to + 85°C

NOTE: Specifications and materials listed above are for switches with standard options.
For information on specific and custom switches, consult Customer Service Center.

Materials

HOUSING: Thermoplastic (nylon) and thermoset (diallyl phthalate)

ACTUATOR: Steel

MOVABLE CONTACTS: Brass, gold plated.

ROTOR: Thermoset (polysulfone)

O-RING: Silicone

STATIONARY CONTACTS & TERMINALS: Brass, gold plated.

TERMINAL SEAL: Totally sealed (insert molded).

BUSHING: Brass

STOP PIN: Stainless steel

HARDWARE: Nut: Brass, nickel plated. Washer: Brass, nickel plated.

Gasket: Neopren.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on pages K-23 thru K-25. For additional options not shown in catalog, consult Customer Service Center.

Rotary

K

Designation

MIL

Number of Banks

1 (STD.) 1 Bank

2 2 Banks

3 3 Banks

4 4 Banks

5 5 Banks

Switch Function

112S (STD.) SP, 30° Index, 12 pos. no stop

102B02 SP, 30° Index, 2 pos.

103B03 SP, 30° Index, 3 pos.

104B04 SP, 30° Index, 4 pos.

105B05 SP, 30° Index, 5 pos.

106B06 SP, 30° Index, 6 pos.

107B07 SP, 30° Index, 7 pos.

108B08 SP, 30° Index, 8 pos.

109B09 SP, 30° Index, 9 pos.

110B10 SP, 30° Index, 10 pos.

111B11 SP, 30° Index, 11 pos.

112B12 (STD.) SP, 30° Index, 12 pos.

206S (STD.) DP, 30° Index, 6 pos. no stop

202B02 DP, 30° Index, 2 pos.

203B03 DP, 30° Index, 3 pos.

204B04 DP, 30° Index, 4 pos.

205B05 DP, 30° Index, 5 pos.

206B06 (STD.) DP, 30° Index, 6 pos.

303S 3P, 30° Index, 3 pos. no stop

302B02 3P, 30° Index, 2 pos.

303B03 3P, 30° Index, 3 pos.

402S 4P, 30° Index, 2 pos. no stop

402B02 4P, 30° Index, 2 pos.

Switching Mode

N (STD.) Non-shorting BBM (break-before-make)

C Shorting, MBB (make-before-break)

Mounting Style

SD (STD.) Without panel mount

AD (STD.) With panel mount

Actuator Option

(NONE) (STD.) 4 mm diameter shaft

M10X3 4 mm shaft with flat

F2X1 4 mm shaft with screwdriver slot

Actuator Option Angle*

(NONE) (STD.)

K0 0° angle

K30 30° angle

K60 60° angle

K90 90° angle

K120 120° angle

K180 180° angle

K270 270° angle

Actuator Option Length**

25 (STD.) 25 mm standard shaft

* Other angles available by request
** Other lengths available by request.

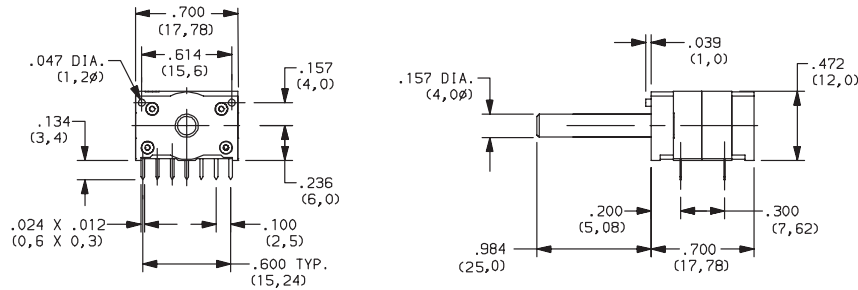
C&K MIL Series

1-4 Pole Miniature Right

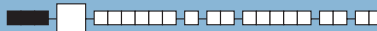
DESIGNATION



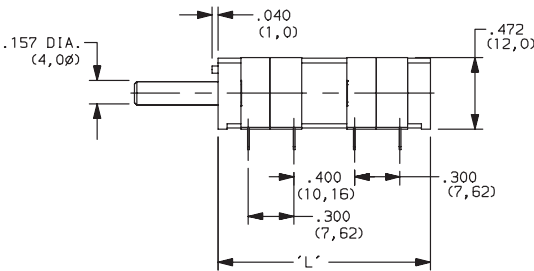
MIL



NUMBER OF BANKS



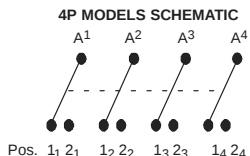
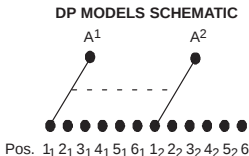
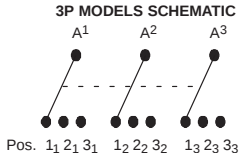
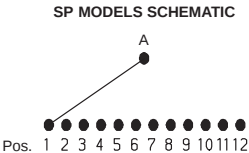
OPTION CODE	DIM. 'L'	WITH BUSHING DIM. 'L'
1	.770 (17,78)	.897 (22,78)
2	1.400 (35,56)	1.597 (40,56)
3	2.100 (53,34)	2.297 (58,34)
4	2.800 (71,12)	3.00 (76,12)
5	3.500 (88,90)	3.697 (93,90)



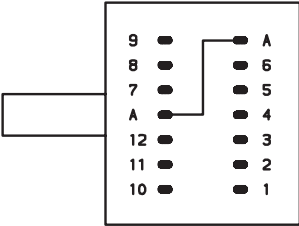
SWITCH FUNCTION



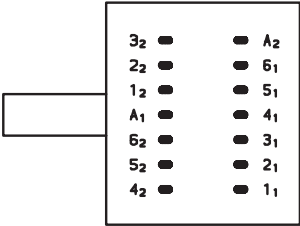
30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
SP	112S	12 Position No Stops
	102B02	2 Positions
	103B03	3 Positions
	104B04	4 Positions
	105B05	5 Positions
	106B06	6 Positions
	107B07	7 Positions
	108B08	8 Positions
	109B09	9 Positions
	110B10	10 Positions
	111B11	11 Positions
	112B12	12 Positions



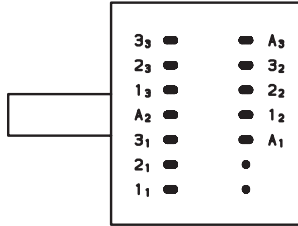
30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
DP	206S	4 Position No Stops
	202B02	2 Positions
	203B03	3 Positions
	204B04	4 Positions
	205B05	5 Positions
	206B06	6 Positions
3P	303S	3 Positions No Stop
	302B02	2 Positions
	303B03	3 Positions
4P	402S	2 Positions No Stop
	402B02	2 Positions



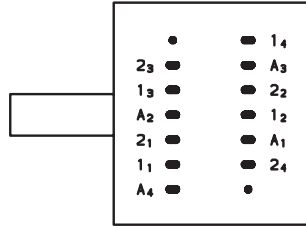
1 POLE
2 - 12 POSITIONS



2 POLES
2 - 6 POSITIONS



3 POLES
2 - 3 POSITIONS



4 CIRCUITS
2 POSITIONS



Third Angle Projection
Dimensions are shown: IN (mm)
Dimensions subject to change

C&K MIL Series

1-4 Pole Miniature Right

SWITCHING MODE



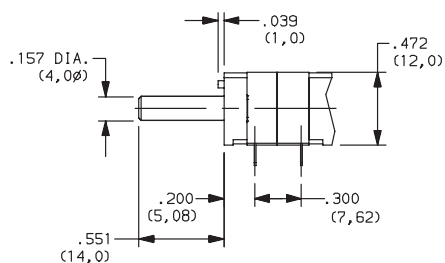
N (STD.) NON-SHORTING, BBM (break-before-make)

C SHORTING, MBB (make-before-break)

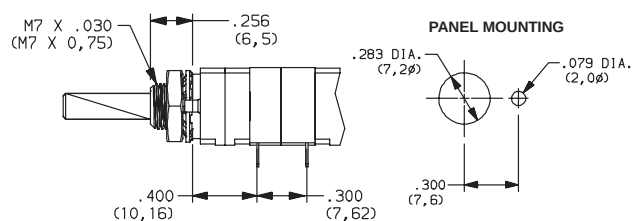
MOUNTING STYLE



SD WITHOUT



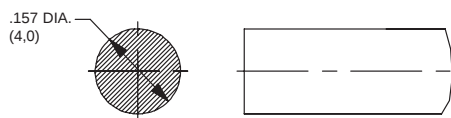
AD WITH PANEL MOUNT



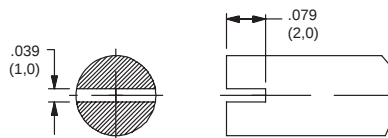
ACTUATOR OPTION



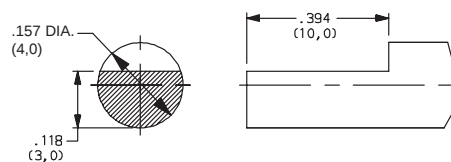
(NONE) (STD.) .157 DIA. (4,0)



F2X1 SCREWDRIVER SLOT



M10X3 FLAT



Third Angle
Projection

Dimensions are shown: IN (mm)
Dimensions subject to change



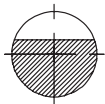
K

Rotary

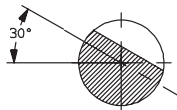
ACTUATOR OPTION ANGLE



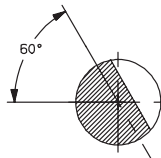
(NONE) (STD.)



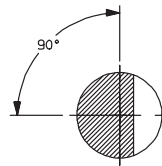
K0 (STD.) 0° ANGLE



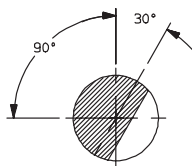
K30 30°



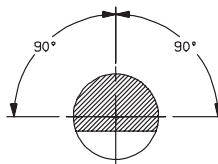
K60 60°



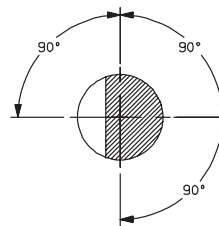
K90 90°



K120 120°



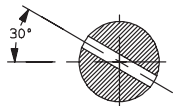
K180 210°



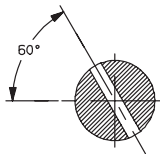
K270 300°



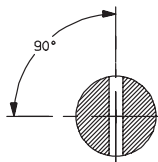
K0 (STD.) 0° ANGLE



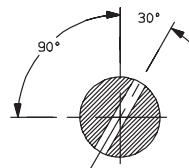
K30 30°



K60 60°



K90 90°



K120 120°



K

Rotary

ACTUATOR LENGTH



25 0,25 mm (.984) STANDARD SHAFT

Other lengths available by request.