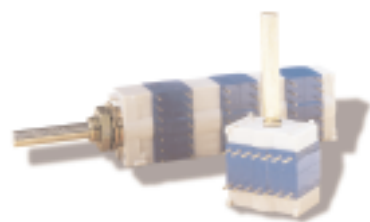


C&K MIL Series

1-4 Pole Miniature Right Angle Rotary Switches



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: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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: Silver plated.
ROTOR: Thermoset (polysulfone)
O-RING: Silicone
STATIONARY CONTACTS & TERMINALS: 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.

All models are RoHS compliant and compatible

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 L-23 thru L-25. For additional options not shown in catalog, consult Customer Service Center.

Designation _____

MIL

Number of Banks _____

Switch Function

Switching Mode

Mounting Style

Actuator Option

Actuator Option Angle*

Actuator Option Length**

1 1 Bank

2 2 Banks

3 3 Banks

4 4 Banks

112S SP, 30° Index, 12 pos. no stop

106B06 SP, 30° Index, 6 pos.

108B08 SP, 30° Index, 8 pos.

109B09 SP, 30° Index, 9 pos.

112B12 SP, 30° Index, 12 pos.

206S 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.

303B03 3P, 30° Index, 3 pos.

402B02 4P, 30° Index, 2 pos.

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

C Shorting, MBB (make-before-break)

SD Without panel mount

AD With panel mount

(NONE) 4 mm diameter shaft

F2X1 4 mm shaft with screwdriver slot

(NONE)

K0 0° angle

K30 30° angle

K60 60° angle

K90 90° angle

K120 120° angle

K180 180° angle

K270 270° angle

25 25 mm standard shaft

* Other angles available by request

** Other lengths available by request.



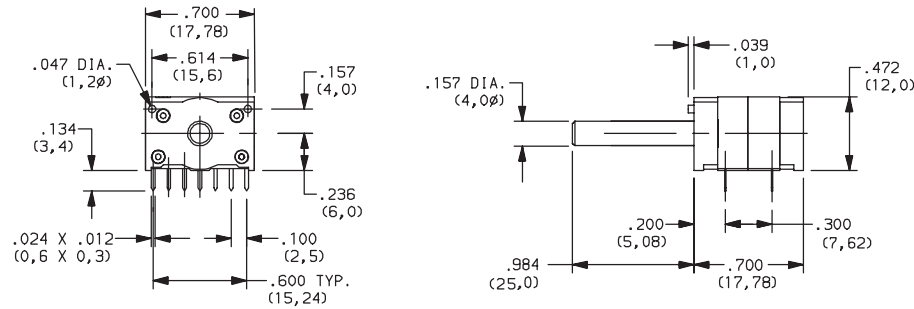
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

C&K MIL Series 1-4 Pole Miniature Right Angle Rotary Switches

DESIGNATION



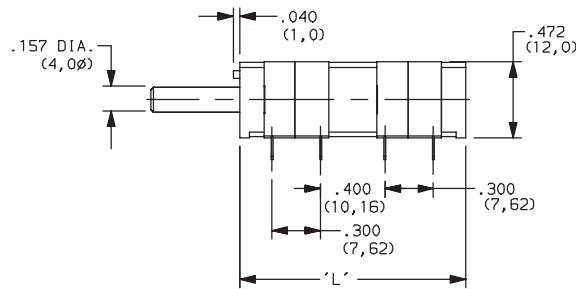
MIL



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)

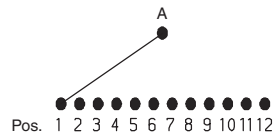


SWITCH FUNCTION

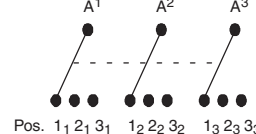


30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
SP	112S	12 Position No Stops
	106B06	6 Positions
	108B08	8 Positions
	109B09	9 Positions
	112B12	12 Positions

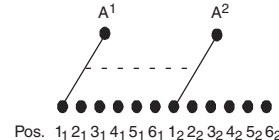
SP MODELS SCHEMATIC



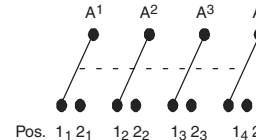
3P MODELS SCHEMATIC



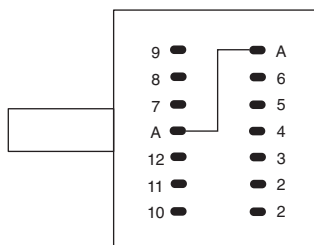
DP MODELS SCHEMATIC



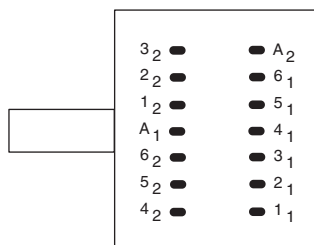
4P MODELS SCHEMATIC



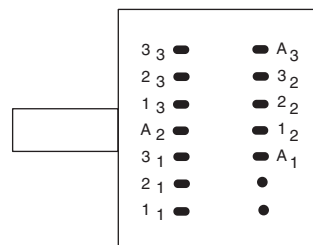
30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
DP	206S	4 Position No Stops
	202B02	2 Positions
	203B03	3 Positions
	204B04	4 Positions
	205B05	5 Positions
	206B06	6 Positions
3P	303B03	3 Positions
4P	402B02	2 Positions



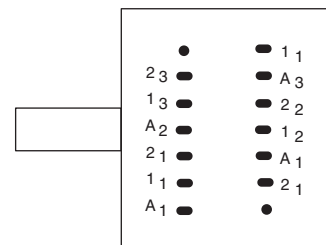
1 POLE
2-12 POSITIONS



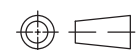
2 POLES
2-6 POSITIONS



3 POLES
2-3 POSITIONS



1 POLE
2-12 POSITIONS



Third Angle
Projection

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change



Rotary

C&K MIL Series

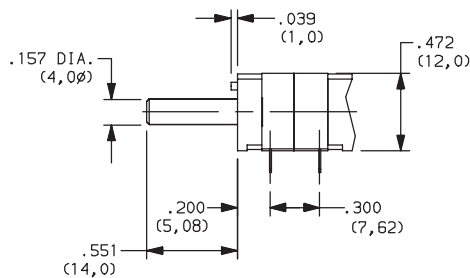
1-4 Pole Miniature Right Angle Rotary Switches

SWITCHING MODE

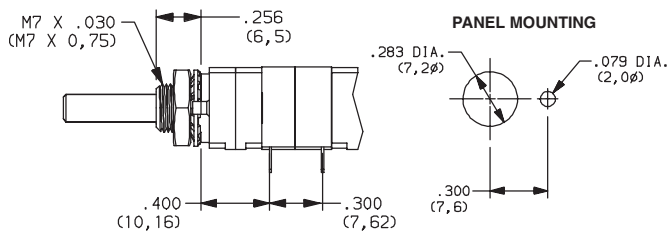
- N** NON-SHORTING, BBM (break-before-make)
- C** SHORTING, MBB (make-before-break)

MOUNTING STYLE

SD WITHOUT

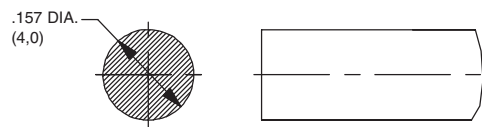


AD WITH PANEL MOUNT

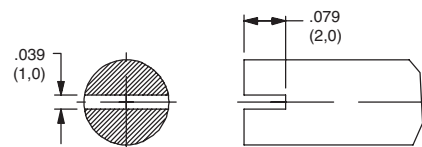


ACTUATOR OPTION

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



F2X1 SCREWDRIVER SLOT



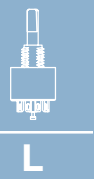
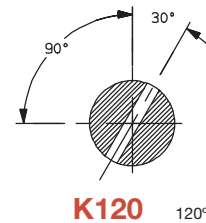
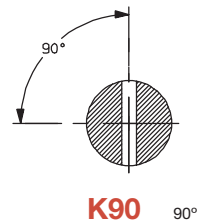
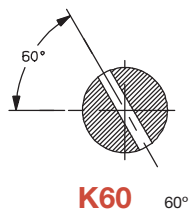
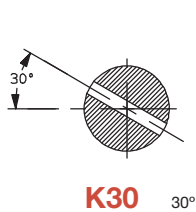
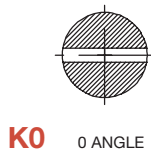
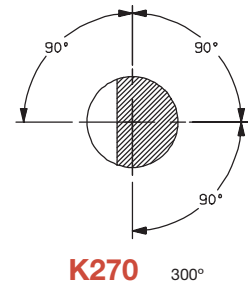
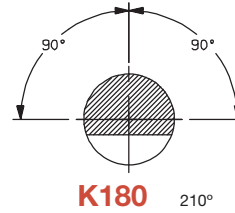
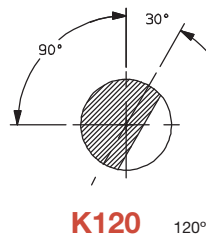
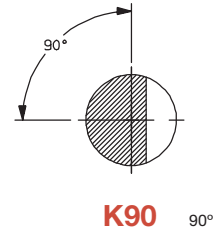
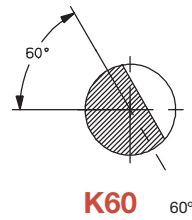
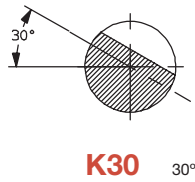
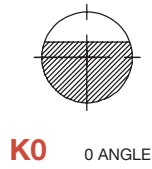
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

C&K MIL Series 1-4 Pole Miniature Right Angle Rotary Switches

ACTUATOR OPTION ANGLE



(NONE)



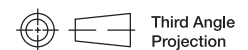
Rotary

ACTUATOR LENGTH



25 0,25 mm (.984) STANDARD SHAFT

Other lengths available by request.



Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

Mouser Electronics

Authorized Distributor

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[MIL2112B12NSD25](#) [MIL1303B03NSD25](#) [MIL1303B03NAD25](#) [MIL1106B06NAD25](#)