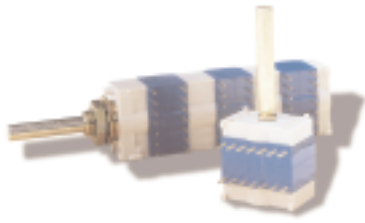


C&K MIL Series

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.

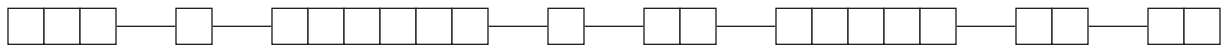
Materials

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

- 1 1 Bank
- 2 2 Banks
- 3 3 Banks
- 4 4 Banks

Switch Function

- 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.

Switching Mode

- N** Non-shorting BBM (break-before-make)
- C** Shorting, MBB (make-before-break)

Mounting Style

- SD** Without panel mount
- AD** With panel mount

Actuator Option

- (NONE)** 4 mm diameter shaft
- F2X1** 4 mm shaft with screwdriver slot

Actuator Option Angle*

- (NONE)**
- 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** 25 mm standard shaft

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

Rotary

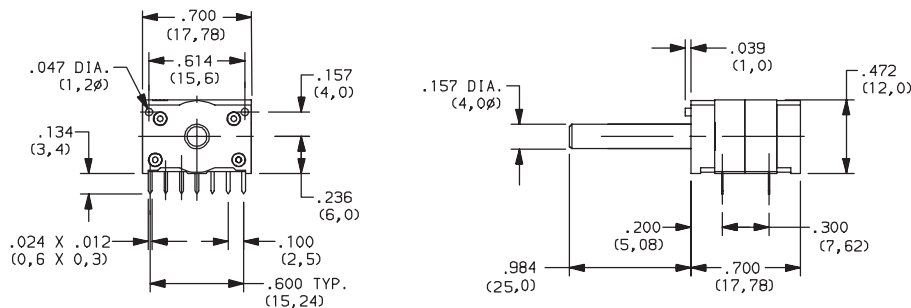


Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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

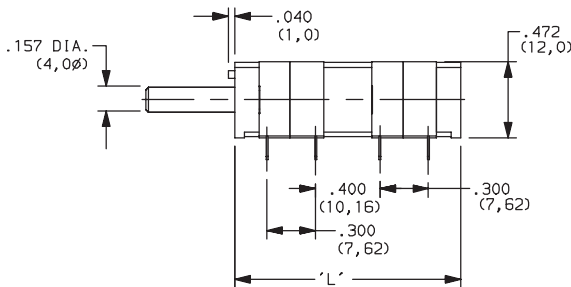
DESIGNATION

MIL



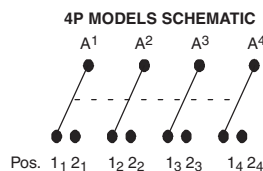
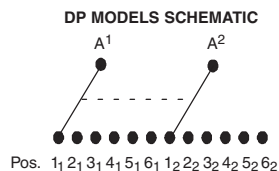
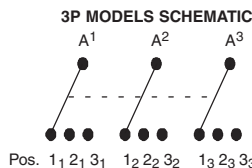
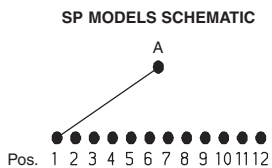
NUMBER OF BANKS

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)

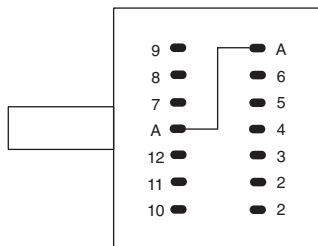


SWITCH FUNCTION

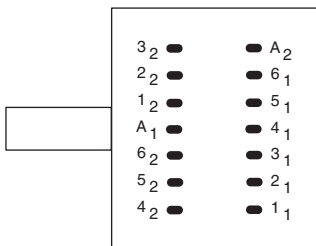
30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
SP	112S	12 Position No Stops
	106B06	6 Positions
	108B08	8 Positions
	109B09	9 Positions
	112B12	12 Positions



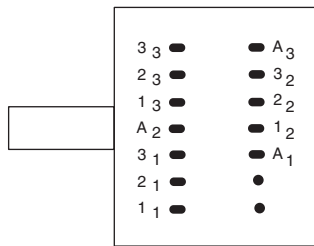
30° INDEXING		
NO. POLES	MODEL NO.	SWITCH FUNCTION
DP	206S	4 Position No Stops
	202B02	2 Positions
	203B03	3 Positions
	204B04	4 Positions
	205B05	5 Positions
	206B06	6 Positions
3P	303B03	3 Positions
4P	402B02	2 Positions



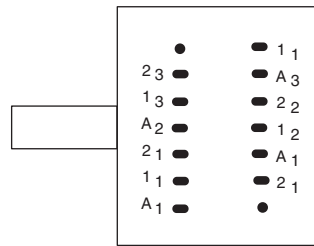
1 POLE
2-12 POSITIONS



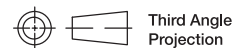
2 POLES
2-6 POSITIONS



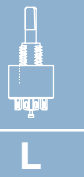
3 POLES
2-3 POSITIONS



1 POLE
2-12 POSITIONS



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



Rotary

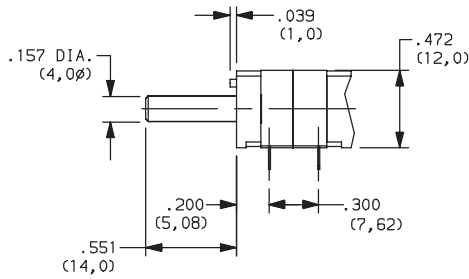
C&K MIL Series 1-4 Pole Miniature Right Angle Rotary Switches

SWITCHING MODE

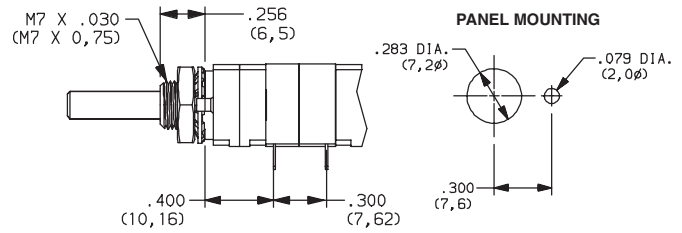
- N** NON-SHORTING, BBM (break-before-make)
- C** SHORTING, MBB (make-before-break)

MOUNTING STYLE

SD WITHOUT

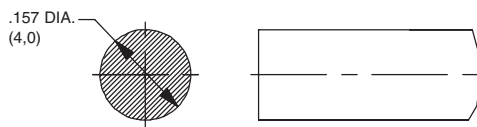


AD WITH PANEL MOUNT

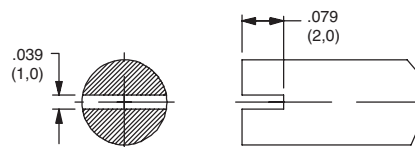


ACTUATOR OPTION

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



F2X1 SCREWDRIVER SLOT



Rotary



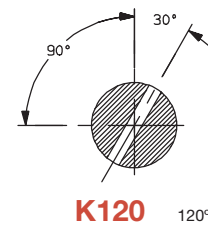
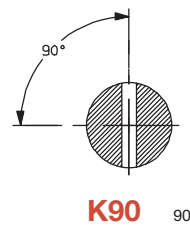
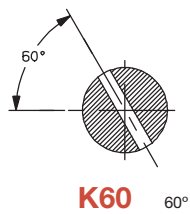
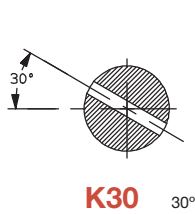
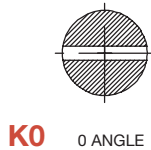
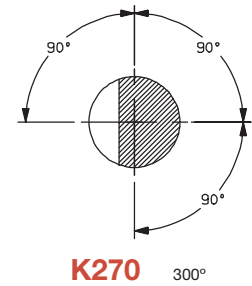
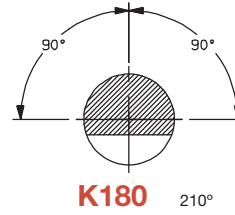
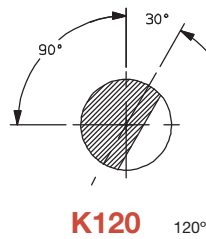
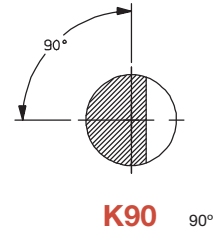
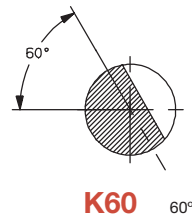
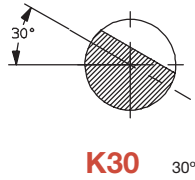
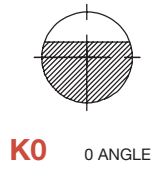
Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change

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

ACTUATOR OPTION ANGLE



(NONE)

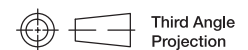


ACTUATOR LENGTH



25 0,25 mm (.984) STANDARD SHAFT

Other lengths available by request.



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



Rotary