C&K RTBV Series 1-2 Pole Coded Rotary Switches



Features/Benefits

- Totally sealed
- Detent angles, 15, 22.5, 30 and 36
- Multi pole
- Coding functions
- Robust construction

Typical Applications

- Telecommunications
- Military
- Instrumentation
- Heavy-duty industrial equipment

Specifications

CONTACT RATING: S Contact material: Switch: 250mA, 5VA

resistive load, Carry: 5 AMPS

ELECTRICAL LIFE: Up to 25,000 operations.

OPERATING TORQUE: 5Ncm±30% (with 1 module).

MECHANICAL STOP RESISTANCE: > 70 Ncm.

BUSHING MOUNTING TORQUE: 100 Ncm.

CONTACT RESISTANCE: < 100 m Ω . INSULATION RESISTANCE: > $10^9~\Omega$ DIELECTRIC STRENGTH: 500 V rms.

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: PBT thermoplastic and PC thermoplastic

STATIONARY CONTACTS & TERMINALS: Nickel alloy, gold or

silver plated, insert molded in PBT thermoplastic.

ROTOR: Printed circuit, gold or silver plated.

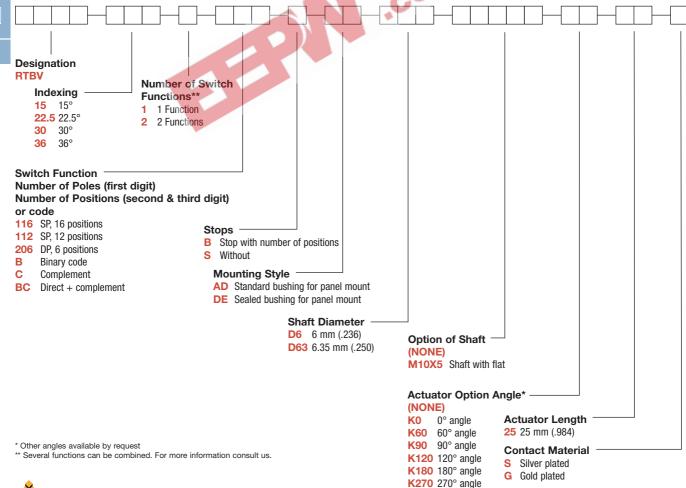
ACTUATOR: Steel BUSHING: Brass

HARDWARE: Stop pin and spring: Stainless steel

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-33 thru L-37. For additional options not shown in catalog, consult Customer Service Center.

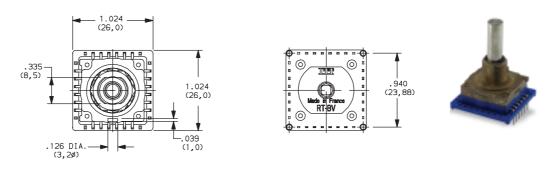


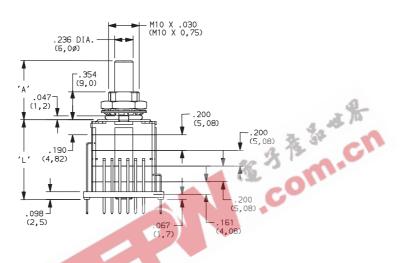


Dimensions are shown: Inch (mm) Specifications and dimensions subject to change

DESIGNATION

RTBV





INDEXING — Octooration

15° index, 24 POSITIONS MAXIMUM

22.5° index, 16 POSITIONS MAXIMUM

30° index, 12 POSITIONS MAXIMUM

36° index, 10 POSITIONS MAXIMUM





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NUMBER OF SWITCH FUNCTIONS

1 1 FUNCTION

2 FUNCTIONS

NOTE: Several functions can be combined. For more information consult us.

NUMBER OF POLES / POSITIONS -

116 22.5 INDEX, SP, 16 POSITIONS

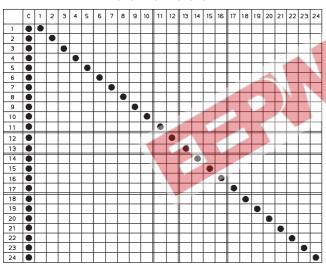
112 30 INDEX, SP, 12 POSITIONS

206 30 INDEX, DP, 6 POSITIONS

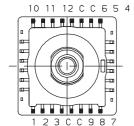
B BINARY CODE, 15 /22.5 /30 /36
C COMPLEMENT, 15 /22.5 /30 /36

BC DIRECT + COMPLEMENT, 15 /22.5 /30 /36

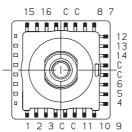
SINGLE POLE FUNCTION



1 12



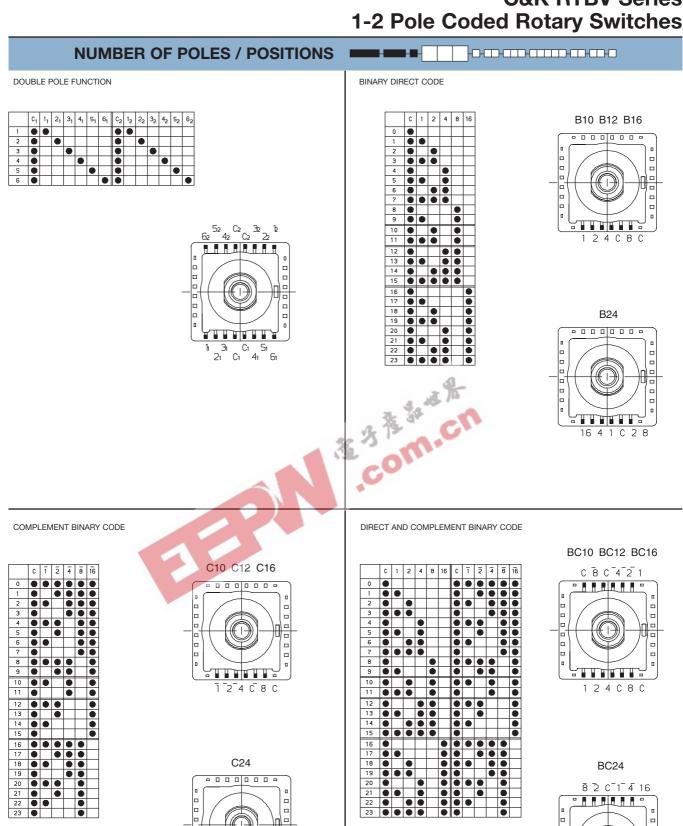
1 16

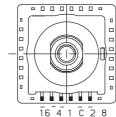


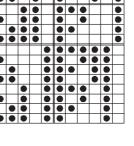


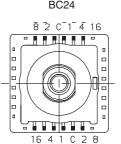


C&K RTBV Series









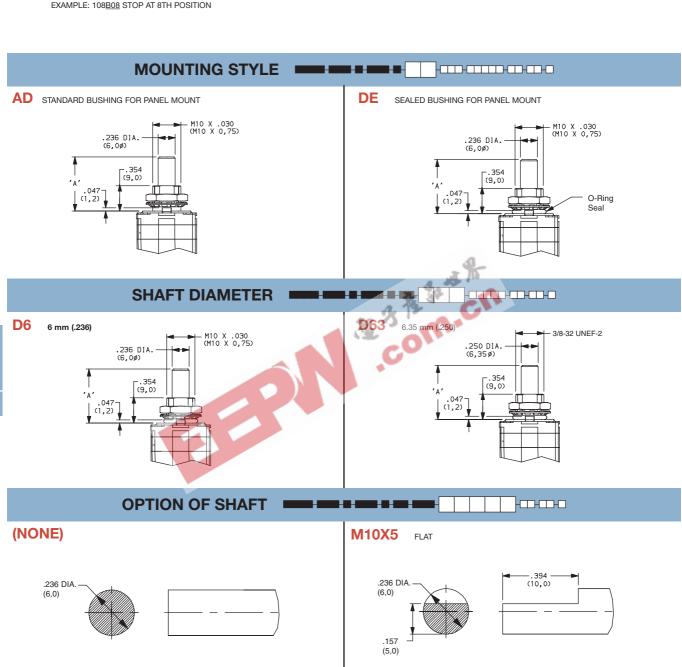


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C&K RTBV Series

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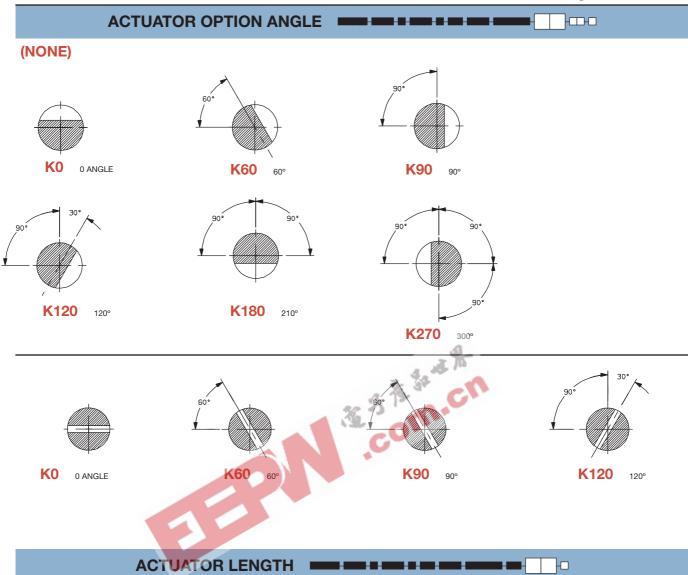








C&K RTBV Series1-2 Pole Coded Rotary Switches



25 0,25 mm (.984) STANDARD SHAFT

Other lengths available by request.

CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT AND TERMINAL MATERIAL	RATING	
S	YES	YES	SILVER	LOW LEVEL/DRY CIRCUIT	SWITCH: 250 mA, POWER: 5 VA; CARRY: 5 AMPS
G	YES	YES	GOLD	LOW LEVEL/DRY CIRCUIT OR POWER	SWITCH: 20 mA, POWER: 0.2 VA; CARRY: 1 AMP

L-37

^{*} Note: See Technical Data section of this catalog for RoHS compliant and compatible definition and specifications.



