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: $< 100 \text{ m} \Omega$. 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

For information on specific and custom switches, consult Customer Service Center

NOTE: Specifications and materials listed above are for switches with standard options.

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.

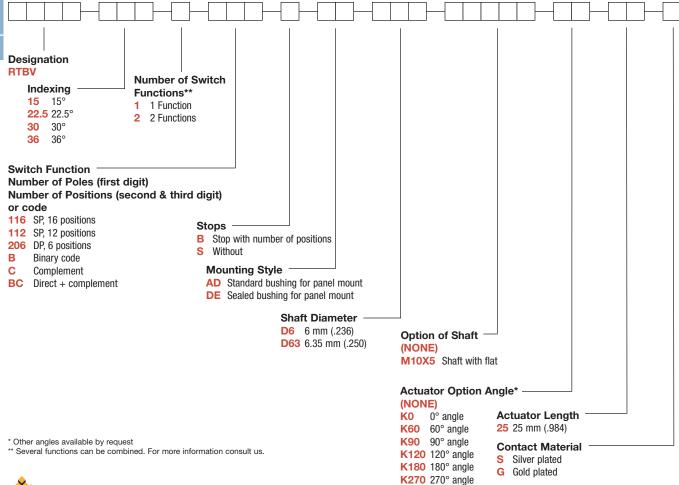
ACTUATOR: Steel BUSHING: Brass

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.

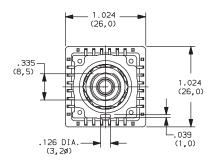


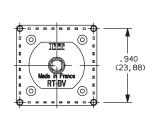
www.itigarDataStreet4U.com

Dimensions are shown: Inch (mm)

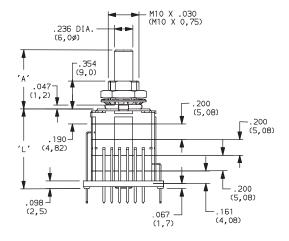
Specifications and dimensions subject to change

RTBV











15 15° index, 24 POSITIONS MAXIMUM

22.5 22.5° index, 16 POSITIONS MAXIMUM

30 30° index, 12 POSITIONS MAXIMUM

36 36° index, 10 POSITIONS MAXIMUM



Third Angle



Dimensions are shown: Inch (mm) Specifications and dimensions subject to change NOTE: Several functions can be combined. For more information consult us.

NUMBER OF POLES / POSITIONS

1-----

116 22.5 INDEX, SP, 16 POSITIONS

112 30 INDEX, SP, 12 POSITIONS

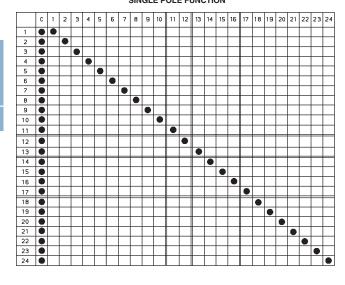
206 30 INDEX, DP, 6 POSITIONS

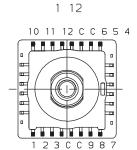
В BINARY CODE, 15 /22.5 /30 /36

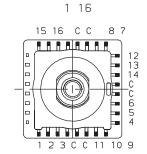
C COMPLEMENT, 15 /22.5 /30 /36

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

SINGLE POLE FUNCTION







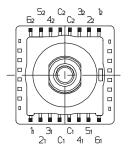




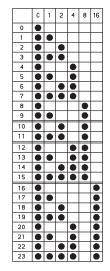
NUMBER OF POLES / POSITIONS

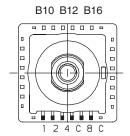
DOUBLE POLE FUNCTION

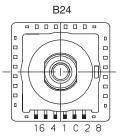
		C ₁	11	21	31	41	51	61	C2	12	22	32	42	52	62
I	1	•	•						•	•					
Ī	2	•		•					•		•				
ľ	3	•			•				•			•			
Ī	4	•				•			•				•		
I	5	•					•		•					•	
	6	•						•	•						•



BINARY DIRECT CODE

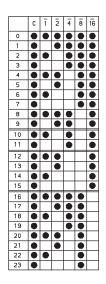




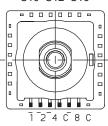


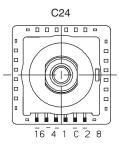


COMPLEMENT BINARY CODE



C10 C12 C16

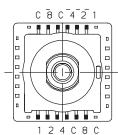


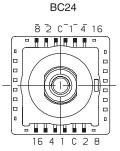


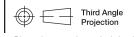
DIRECT AND COMPLEMENT BINARY CODE

	_	_		_		_	_		_		_	_
	С	1	2	4	8	16	С	ī	2	4	8	16
0							•		•	•	•	
1	•	•					•		•	•	•	•
2			•				•	•		•	•	•
3	•	•	•				•			•	•	•
4				•			•	•	•		•	•
5	•	•		•			•		•		•	•
6	•		•	•			•	•			•	•
7	•	•	•	•			•				•	•
8					•		•	•	•	•		•
9	•	•			•		•		•	•		•
10	•		•		•		•	•		•		•
11	•	•	•		•		•			•		•
12	•			•	•		•	•	•			•
13	•	•		•	•		•		•			•
14	•		•	•	•		•	•				•
15	•	•	•	•	•		•					•
16	•					•	•	•		•	•	
17	•	•				•	•		•	•	•	
18	•		•			•	•	•		•	•	
19	•	•	•			•	•			•	•	
20				•		•	•	•	•		•	
21	•	•		•		•	•		•		•	
22	•		•	•		•	•	•			•	
23	•	•	•	•		•	•				•	

BC10 BC12 BC16





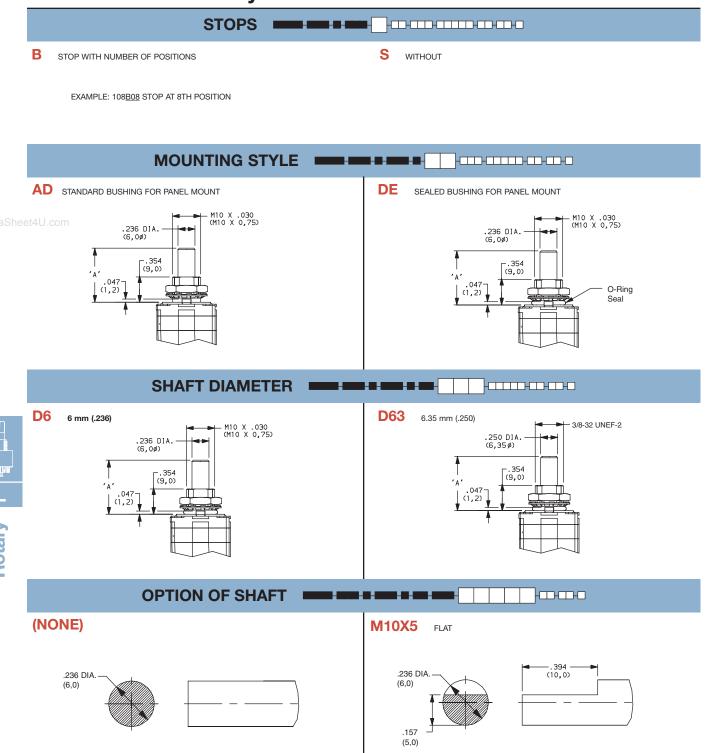


Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



www.iDataSweet4tJ.com

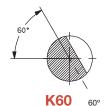
C&K RTBV Series1-2 Pole Coded Rotary Switches



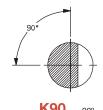


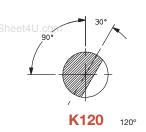


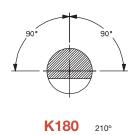




ACTUATOR OPTION ANGLE

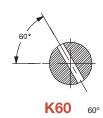


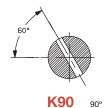


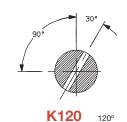










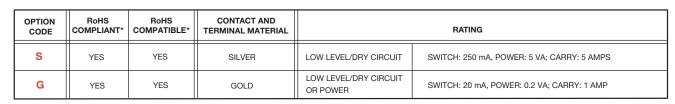




25 0,25 mm (.984) STANDARD SHAFT

Other lengths available by request.

CONTACT MATERIAL



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



