

C&K R Series ROTA-SLIDE® Rotary Switches



Features/Benefits

- Multi-pole and multi-position
- Positive detent
- Panel and PCB mounting
- Enclosed

Typical Applications

- Ceiling fans
- Industrial equipment
- Portable tools


Models Available

Specifications

CONTACT RATING: Q contact material: 5 AMPS @ 125 V AC; 2.5 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC; 1/8 HP @ 125 and 250 VAC (UL/CSA).

See page L-40 for additional ratings.

ELECTRICAL LIFE: 10,000 make-and-break cycles at full load.

CONTACT RESISTANCE: Below 10 mΩ typ. initial @ 2-4 V DC, 100 mA, for both silver and gold plated contacts.

INSULATION RESISTANCE: 10⁹ Ω min.

DIELECTRIC STRENGTH: 1,000 Vrms min. @ sea level.

INDEXING: 36°-one contact models, 10 position max.; two contact models, 5 position max.

OPERATING & STORAGE TEMPERATURE: -30°C to 95°C

Materials

HOUSING & BUSHING: 6/6 nylon (UL 94V-2).

ACTUATOR: 6/6 nylon (UL 94V-2).

CONTACTS & TERMINALS: Q contact material: Copper, silver plated. See page L-40 for additional contact materials.

CONTACT SPRING: Music wire or stainless steel.

MOUNTING NUT: Steel, zinc plated.

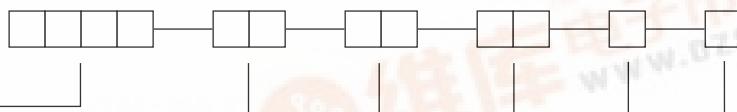
TERMINAL SEAL: Epoxy.

NOTE: Any models supplied with Q or B contact material are RoHS compliant. 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.

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-39 and L-40. For additional options not shown in catalog, consult Customer Service Center.



Switch Function

R100 SP, 36° Index, 10 pos. no stops

R103 SP, 36° Index, 3 pos.

R108 SP, 36° Index, 8 pos.

R203 DP, 36° Index, 3 pos.

R204 DP, 36° Index, 4 pos.

R205 DP, 36° Index, 5 pos.

Actuator

07 .500" high with .156" flat

05 .375" high with .156" flat

15 Screwdriver slot without bushing

Mounting Style

RR 3/8-32 threaded bushing

RN PC without bushing

RS PC without bushing

Terminations

03 Solder lug with hole

01 Solder lug with notch

02 PC Thru-hole

Contact Material

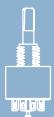
Q Silver

B Gold

Seal

NONE No seal

E Epoxy seal

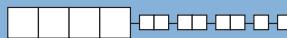


L

Rotary

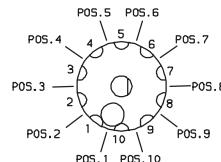
R Series ROTA-SLIDE® Rotary Switches

SWITCH FUNCTION



SP MODELS 36° INDEXING			
NO. POLES	MODEL NO.	SWITCH FUNCTION	TERMINALS
SP	R100	10 Position No Stops	All Terminals
	R103	3 Position	10-1-2-3
	R108	8 Position	10-1-2-3-4-5-6-7-8

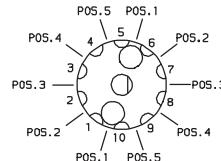
SP MODELS 36° INDEXING SCHEMATIC



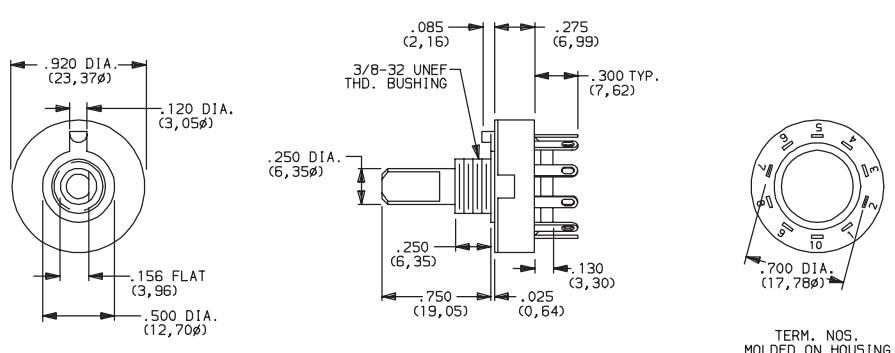
DP MODELS 36° INDEXING			
NO. POLES	MODEL NO.	SWITCH FUNCTION	TERMINALS
DP	R203	3 Position	10-1-2-3-5-6-7-8
	R204	4 Position	All Terminals
	R205	5 Position	All Terminals

All models   with all options when ordered with 'Q' contact material.

DP MODELS 36° INDEXING SCHEMATIC



NOTE: Break-before-make contacts. Actuators and contacts are shown in position 1. No common terminal is present. Switching function is provided by movable contacts shorting adjacent pairs of stationary contacts.

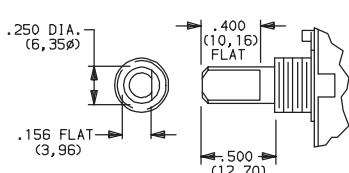


Part number show: R10007RR03Q

ACTUATOR

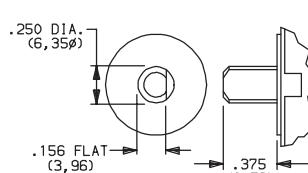


07 .500" HIGH WITH .156" FLAT



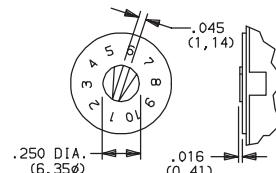
Shown with 'RR' mounting style.
For mounting styles without bushing,
add .250 (6.35) to actuator length.

05 .375" HIGH WITH .156" FLAT



Shown with 'RN' mounting style.

15 SCREWDRIVER SLOT

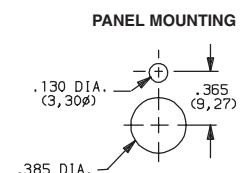
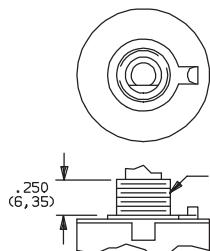


Arrow on actuator marked red (std.).
Shown with 'RS' mounting style.

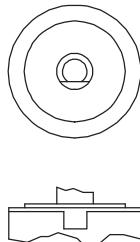
C&K R Series ROTA-SLIDE® Rotary Switches

MOUNTING STYLE

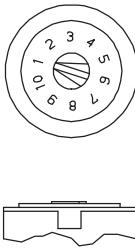
RR 3/8-32 THREADED BUSHING



RN PC WITHOUT BUSHING



RS PC SCREWDRIVER SLOT WITHOUT BUSHING

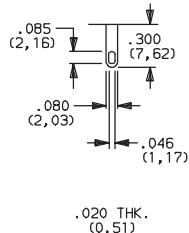


Position numbers and characters are molded on housing.

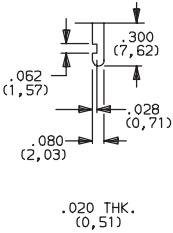
Mounting nut included (part number 175000100).

TERMINATIONS

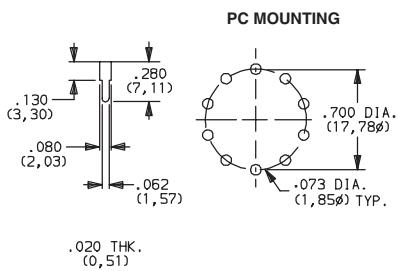
03 SOLDER LUG WITH HOLE



01 SOLDER LUG WITH NOTCH



02 PC THRU-HOLE



L

CONTACT MATERIAL

OPTION CODE	RoHS COMPLIANT*	RoHS COMPATIBLE*	CONTACT AND TERMINAL MATERIAL	RATING	
Q	YES	YES	SILVER ²	POWER	5 AMPS @ 125 V AC; 2.5 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA); 1/8 HP @ 125 and 250 VAC (UL/CSA).
B	YES	YES	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC or DC MAX.

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

¹ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.
² CONTACTS & TERMINALS: Copper, silver plated. (Standard with all termination options.)

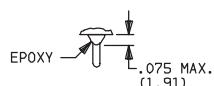
NOTE: Any models supplied with Q, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

All models   with all options when ordered with 'Q' contact material.

SEAL

NONE NO SEAL

E EPOXY SEAL



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