

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



Specifications

CONTACT RATING: Q contact material: 5 AMPS @ 125 V AC;
2.5 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA).
See page K-40 for additional ratings.

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

CONTACT RESISTANCE: Below 10 m Ω 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.

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 K-40 for additional contact materials.

CONTACT SPRING: Music wire or stainless steel.

MOUNTING NUT: Steel, zinc plated.

TERMINAL SEAL: Epoxy.

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

Switch Function

- R100** (STD.) SP, 36° Index, 10 pos. no stops
- R102** SPDT, 36° Indexing
- 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** (STD.) .500" high with .156" flat
- 05** .375" high with .156" flat
- 15** Screwdriver slot without bushing
- 16** Screwdriver slot with bushing

Mounting Style

- RR** (STD.) 3/8-32 threaded bushing
- RN** PC without bushing
- RS** PC without bushing

Terminations

- 03** (STD.) Solder lug with hole
- 01** Solder lug with notch
- 02** PC Thru-hole
- WC** Wire lead

Contact Material

- Q** (STD.) Silver
- B** Gold

Seal

- NONE** (STD.) No seal
- E** Epoxy seal



K

Rotary

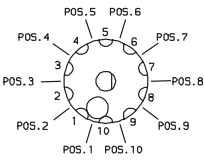
R Series ROTA-SLIDE® Rotary Switches

SWITCH FUNCTION



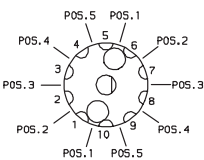
SP MODELS 36° INDEXING			
NO. POLES	MODEL NO.	SWITCH FUNCTION	TERMINALS
SP	R100	10 Position No Stops	All Terminals
	R102	SPDT	10-1-2
	R103	3 Position	10-1-2-3
	R108	8 Position	10-1-2-3-4-5-6-7-8

SP MODELS 36° INDEXING SCHEMATIC



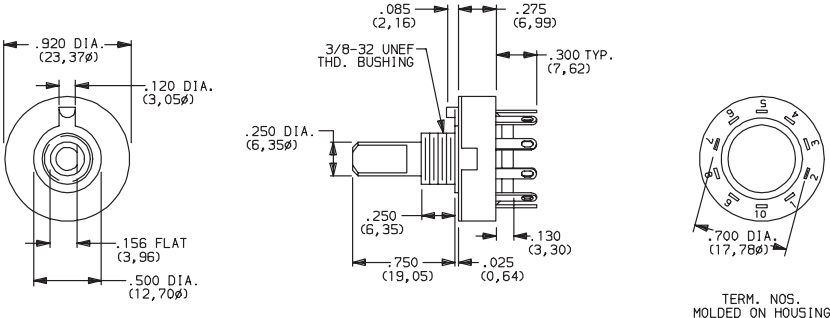
DP MODELS 36° INDEXING			
NO. POLES	MODEL NO.	SWITCH FUNCTION	TERMINALS
DP	R203	3 Position	10-1-2-3-5-6-7-8
	R204	4 Position	All Terminals
	R205	5 Position	All Terminals

DP MODELS 36° INDEXING SCHEMATIC



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

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.

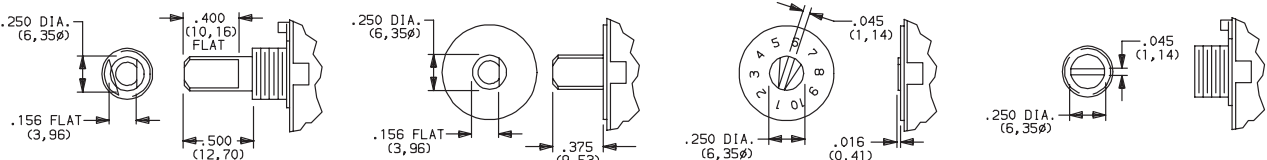


Part number show: R10007RR03Q

ACTUATOR



- 07** (STD.) .500" HIGH WITH .156" FLAT **05** .375" HIGH WITH .156" FLAT **15** SCREWDRIVER SLOT **16** SCREWDRIVER SLOT



Shown with 'RR' mounting style. For mounting styles without bushing, add .250 (6,35) to actuator length. Shown with 'RN' mounting style. Arrow on actuator marked red (std.). Shown with 'RS' mounting style. Shown with 'RR' mounting style. For mounting styles without bushing, add .250 (6,35) to actuator length.

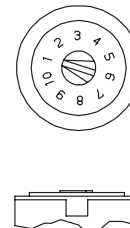
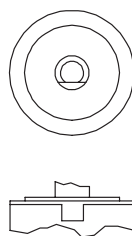
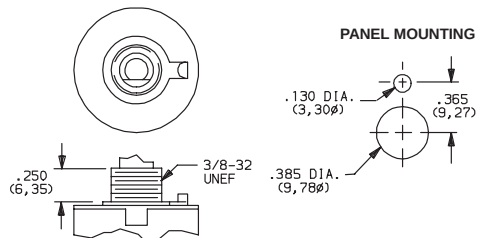
C&K R Series ROTA-SLIDE® Rotary Switches

MOUNTING STYLE

RR (STD.) 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).

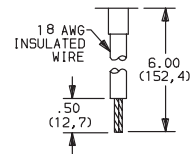
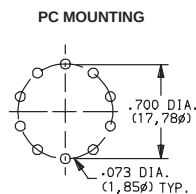
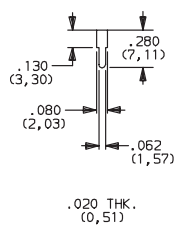
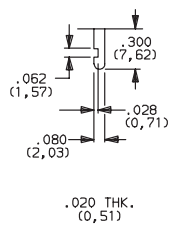
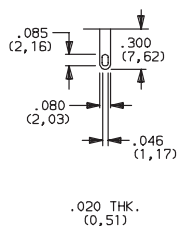
TERMINATIONS

03 (STD.) SOLDER LUG WITH HOLE

01 SOLDER LUG WITH NOTCH

02 PC THRU-HOLE

WC WIRE LEAD



Black wire standard, other colors and lengths available, consult Customer Service Center. UL Style 1015.

CONTACT MATERIAL

OPTION CODE	CONTACT AND TERMINAL MATERIAL	RATINGS	
		POWER	5 AMPS @ 125 V AC; 2.5 AMPS @ 250 V AC; 0.5 AMP @ 125 V DC (UL/CSA).
Q (STD.)	SILVER ²		
B	GOLD ¹	LOW LEVEL/DRY CIRCUIT	0.4 VA MAX. @ 20 V AC OR DC MAX.

CONTACT MATERIAL/APPLICATION RECOMMENDATIONS-SEE SECTION N.

¹ CONTACTS & TERMINALS: Copper, with gold plate over nickel plate.

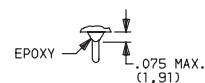
² CONTACTS & TERMINALS: Copper, silver plated. (Standard with all termination options.)

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

SEAL

NONE (STD.) NO SEAL

E EPOXY SEAL



Third Angle Projection
Dimensions are shown: IN (mm)
Dimensions subject to change

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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