

R Series

ROTA-SLIDE® Rotary Switches



Agency Approvals

Agency	Agency File Number
	E42363

Notes: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

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).
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	10 ⁹ 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

Description

R series Rota-Slide® rotary switches are often found in industrial equipment, portable tools and ceiling fans. The R series are known for being high-quality, long lasting switches that feature positive detent, multi-pole and multi-position capabilities and panel or PCB mounting.

Features & Benefits

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

Applications

- Ceiling fans
- Industrial equipment
- Portable tools
- Lighting

Materials

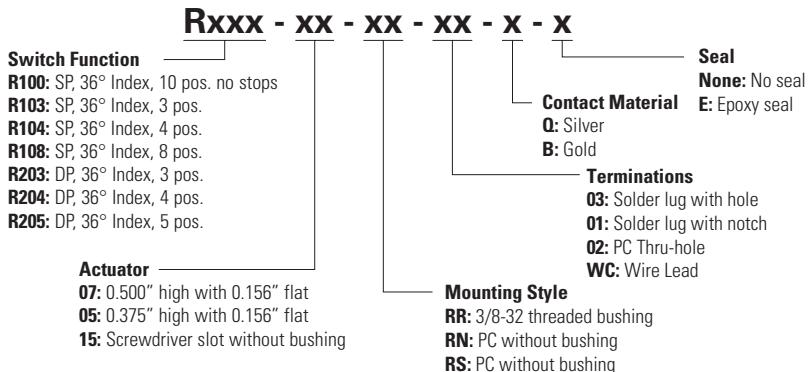
Housing & Bushing	6/6 nylon (UL 94-V2)
Actuator	
Contacts & Terminals	Q contact material: Copper, silver plating
Contact Spring	Music wire or stainless steel
Mounting Nut	Steel, zinc plated
Terminal Seal	Epoxy

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Ordering Number

To order, simply select desired option from each category and place in the appropriate box. For additional options not shown in catalog, consult Customer Service Center.



Switch Function

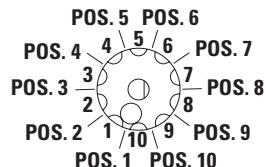
SP Models 36° Indexing

No. Poles	Model No.	Switch Function	Terminals
SP	R100	10 Positions No Stops	All Terminals
	R103	3 Positions	10-1-2-3
	R104	4 Positions	10-1-2-3-4
	R108	8 Positions	10-1-2-3-4-5-6-7-8

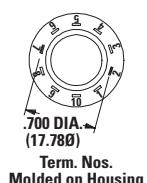
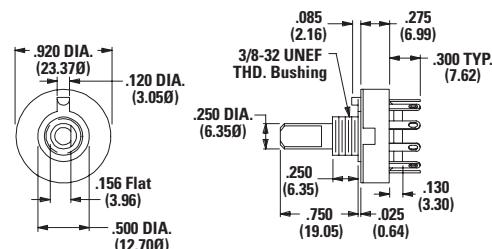
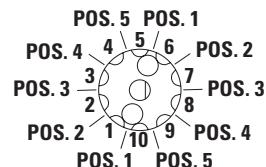
DP Models 36° Indexing

No. Poles	Model No.	Switch Function	Terminals
DP	R203	3 Positions	10-1-2-3, 5-6-7-8
	R204	4 Positions	All Terminals
	R205	5 Positions	

SP Models 36° Indexing Schematic



DP Models 36° Indexing Schematic

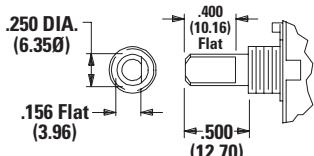


Part number shown: R10007RR03Q

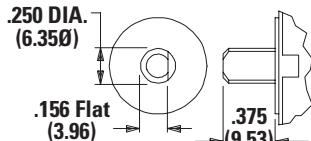
Notes: All models  with all options when ordered with 'Q' contact material. Break-before-make contacts. Actuators and contacts are shown in position 1. No common terminal is present. Switching function is provided by movable contacts shorting adjacent pairs of stationary contacts.

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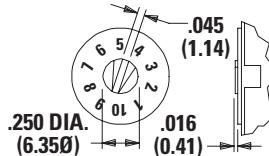
ROTA-SLIDE® Rotary Switches

07 0.50019" High with 0.156" Flat

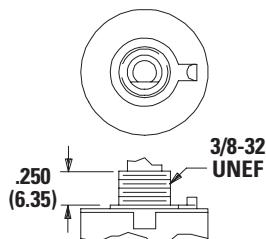
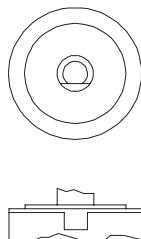
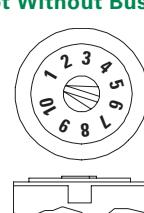
Shown with 'RR' mounting style.
For mounting styles without bushing,
add 0.250 (6.35) to actuator length.

Actuator
05 0.375" with 0.156" Flat

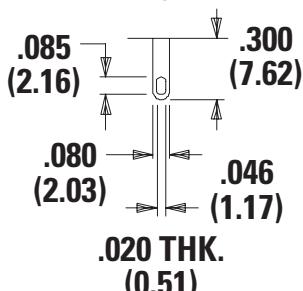
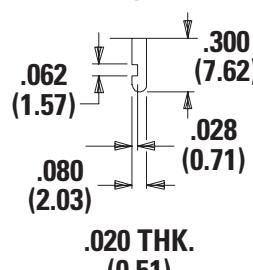
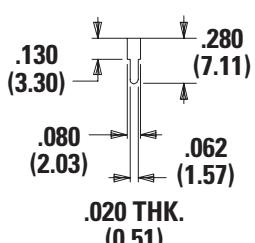
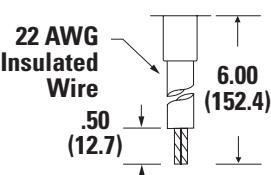
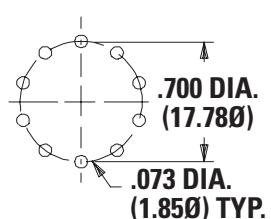
Shown with 'RN' mounting style.

15 Screwdriver Slot

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

Mounting Style**RR 3/8-32 Threaded Bushing****RN PC Without Bushing****RS PC Screwdriver Slot Without Bushing****Panel Mounting**

Position numbers and characters
are molded on housing.

Terminations**03 Solder Lug With Hole****01 Solder Lug With Notch****02 PC Thru-Hole****WC Wire Lead****PC Mounting**

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Contact Material

Option Code	Contact Material		Rating
Q	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	Gold ¹	Low Level / Dry Circuit	0.4 VA max. @ 20 V AC or DC max.

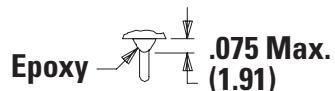
Notes: See Technical Data section of this catalog for RoHS compliant and compatible definition and specifications. Any models supplied with Q, B or G contact material are RoHS compliant. All models come with all options when ordered with 'Q' contact material.

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

Seal

None No Seal

E Epoxy Seal



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