

# RM Series

## Subminiature Rotary Switches



### Features/Benefits

- Subminiature design saves space
- Screwdriver slot or extended shaft
- Positive detent
- RoHS compliant

### Typical Applications

- Audio & visual equipment
- Consumer electronics
- Telecom equipment

### Specifications

CONTACT RATING: 0.5A 24 V DC; 0.2A 48 V DC  
 OPERATING LIFE: 2,000 cycles  
 INSULATION RESISTANCE: 100 M  $\Omega$  min. 500 V DC  
 DIELECTRIC STRENGTH: 500 V AC for 1 minute  
 OPERATING FORCE: 270  $\pm$  100 gf cm  
 OPERATING TEMPERATURE: -40°C to 85°C

### Materials

COVER: PA66  
 BASE: PA6T  
 ACTUATOR: PA66  
 CONTACTS & TERMINALS: Brass with gold plate over nickel plate  
 SPRING: Brass

**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-30 thru K-32. For additional options not shown in catalog, consult Customer Service Center.



K

Rotary

#### Switch Function

- RM100** 45° Index, 8 pos. No stops
- RM101** 45° Index, 1 pos. + Off
- RM102** 45° Index, 2 pos.
- RM103** 45° Index, 3 pos.
- RM104** 45° Index, 4 pos.
- RM105** 45° Index, 5 pos.
- RM106** 45° Index, 6 pos.
- RM107** 45° Index, 7 pos.

#### Actuator

- 77** 7.7 mm high, flatted, screwdriver slot
- 00** Flush, screwdriver slot

#### Actuator Color

- 2** Black

#### Torque

- B** 270 GF \* CM

#### Termination

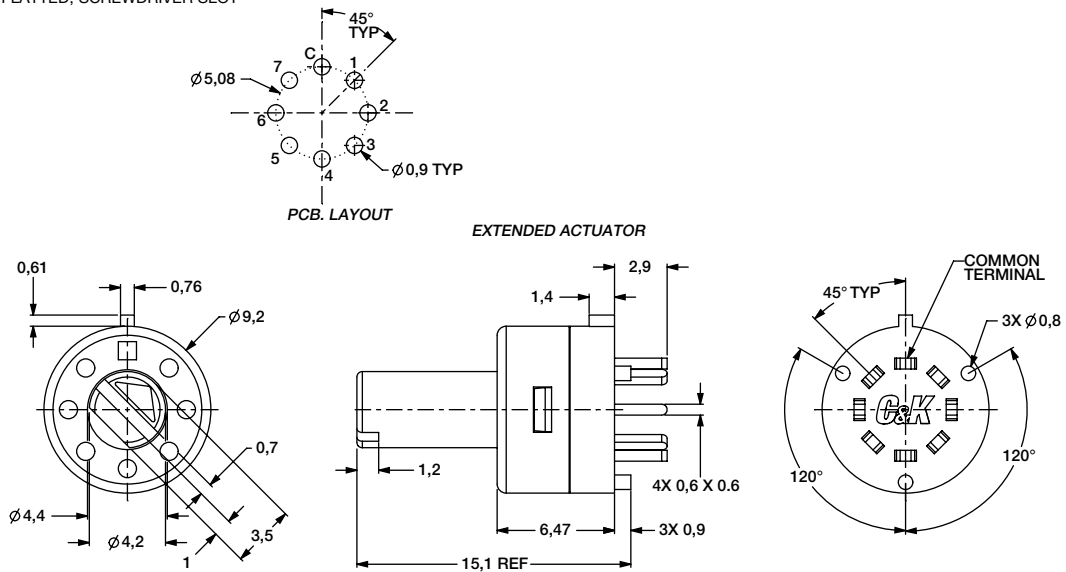
- C** PC Thru-hole

#### Contact Material

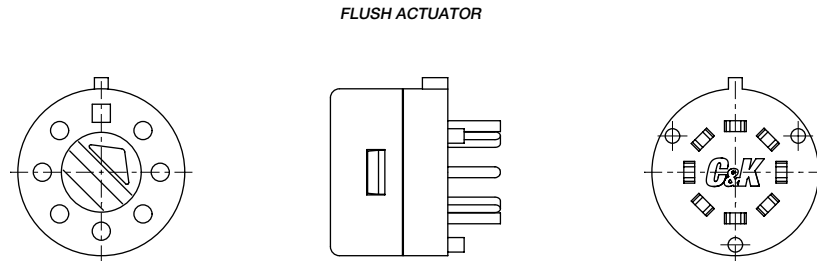
- B** Gold

# RM Series Subminiature Rotary Switches

**77** 7.7 MM HIGH, FLATTED, SCREWDRIVER SLOT

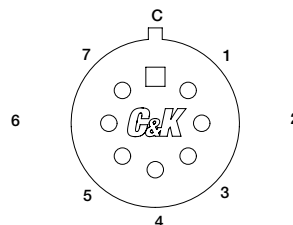


**00** FLUSH, SCREWDRIVER SLOT



| ELECTRICAL SCHEMATIC - RM SERIES SWITCHES |                    |                     |                     |                      |                      |                      |                      |                      |
|-------------------------------------------|--------------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| SWITCH FUNCTION                           | TRAVEL POSITION 0° | TRAVEL POSITION 45° | TRAVEL POSITION 90° | TRAVEL POSITION 135° | TRAVEL POSITION 180° | TRAVEL POSITION 225° | TRAVEL POSITION 270° | TRAVEL POSITION 315° |
| RM100                                     | C-C(OFF)           | C-1                 | C-2                 | C-3                  | C-4                  | C-5                  | C-6                  | C-7                  |
| RM101                                     | C-C(OFF)           | X                   | X                   | X                    | X                    | X                    | X                    | C-7                  |
| RM102                                     | X                  | C-1                 | C-2                 | X                    | X                    | X                    | X                    | X                    |
| RM103                                     | X                  | C-1                 | C-2                 | C-3                  | X                    | X                    | X                    | X                    |
| RM104                                     | X                  | C-1                 | C-2                 | C-3                  | C-4                  | X                    | X                    | X                    |
| RM105                                     | X                  | C-1                 | C-2                 | C-3                  | C-4                  | C-5                  | X                    | X                    |
| RM106                                     | X                  | C-1                 | C-2                 | C-3                  | C-4                  | C-5                  | C-6                  | X                    |
| RM107                                     | X                  | C-1                 | C-2                 | C-3                  | C-4                  | C-5                  | C-6                  | C-7                  |

TERMINAL ID NUMBERS ARE SHOWN FOR REFERENCE ONLY AND ARE NOT MARKED ON BOTTOM OF THE SWITCH

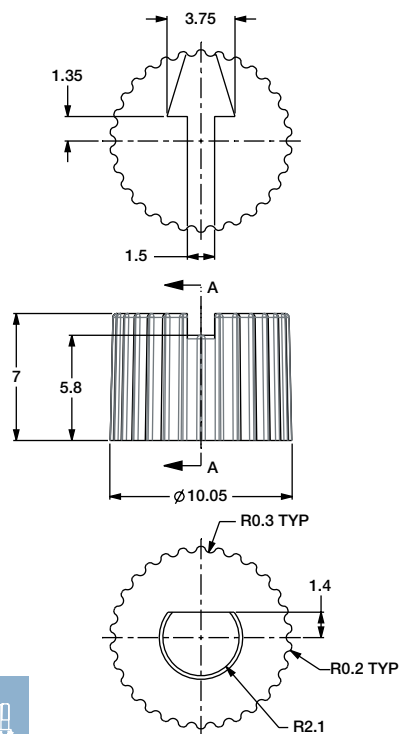


EXTERIOR KEY TAB SHOWN IDENTIFIES "C" (COMMON TERMINAL)

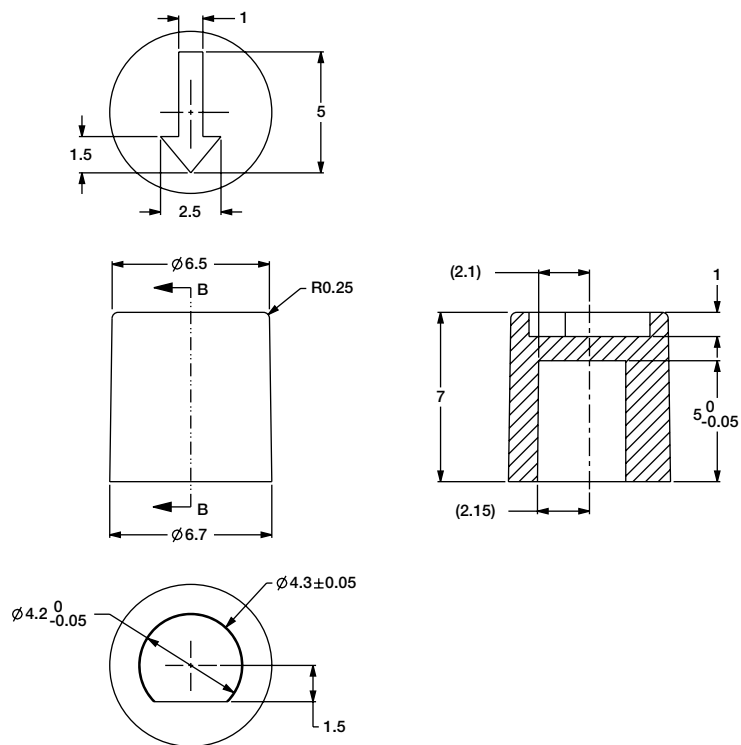
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## KNOBS

297F02000



296F02000



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Rotary