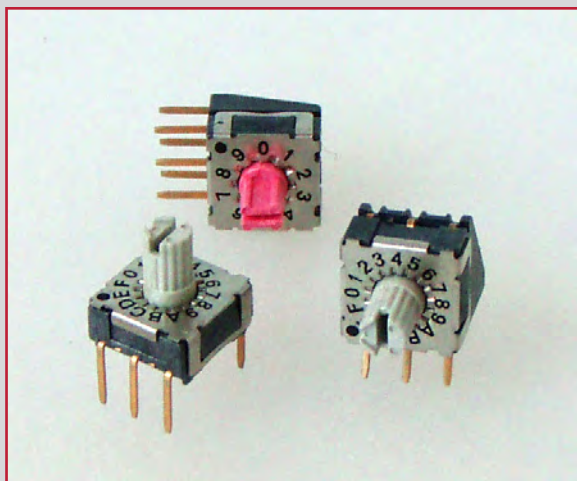


# RDM SERIES ROTARY DIP SWITCH

ANTI-VANDAL SWITCHES  
DETECTOR SWITCHES  
DIP SWITCHES  
KEYLOCK SWITCHES  
NAVIGATION SWITCHES  
PUSHBUTTON SWITCHES  
ROCKER SWITCHES  
ROTARY SWITCHES  
SLIDE SWITCHES  
SNAP ACTION SWITCHES  
TACTILE SWITCHES  
TOGGLE SWITCHES  
CAP OPTIONS



## APPLICATIONS / MARKETS



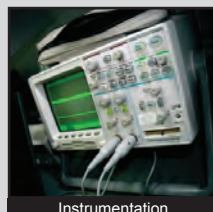
Audio / Visual



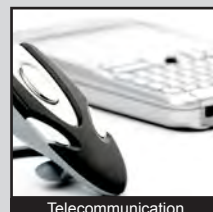
Computer Peripherals



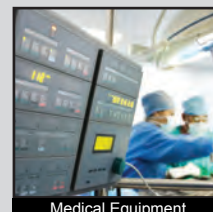
Consumer Electronics



Instrumentation



Telecommunication



Medical Equipment

# RoHS

## SPECIFICATIONS

### Electrical Rating:

Switching: 42VDC, 100mA

Non-Switching: 42VDC, 400mA

**Life Expectancy:** 25,000 steps

**Contact Resistance:** 80mΩ Max.

**Insulation Resistance:** 100 MΩ Min. at 250VDC

**Dielectric Strength:** 250VAC 1 min.

**Operating Temperature:** -60°C to 125°C

**Actuation Force:** 120 gf +/- 30gf

**Travel:** dependent upon individual switch positions

## FEATURES & BENEFITS

- Offers IP67 sealing protection
- Available in 10 or 16 positions
- Ultra slim size for high density mounting
- Gold contacts

## PART NUMBER CONFIGURATOR

| Series                           | Actuator                       | Code                           | Positions                       | Terminals                       | Packaging                      |
|----------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|--------------------------------|
| <input type="text" value="RDM"/> | <input type="text" value="A"/> | <input type="text" value="R"/> | <input type="text" value="10"/> | <input type="text" value="P1"/> | <input type="text" value="T"/> |
|                                  | A - Arrow Flush                | R - Real                       | 10                              | P1 - TH 3x3 terminals           | T - Tube                       |
|                                  | B - Shaft 4.5 high             | C - Complementary              | 16                              | S1 - SM 3x3 terminals           | R - Tape & Reel                |
|                                  | E - Shaft 4.2 high             |                                |                                 | R1 - Angled 5.08 spacing        |                                |
|                                  |                                |                                |                                 | R2 - Angled 2.54 spacing        |                                |

*Specifications subject to change without notice*



**E-SWITCH®**

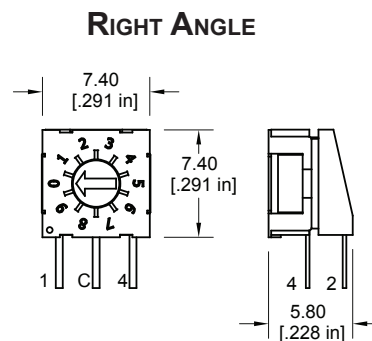
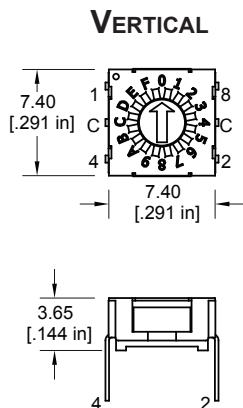
www.e-switch.com

800.867.2717

2

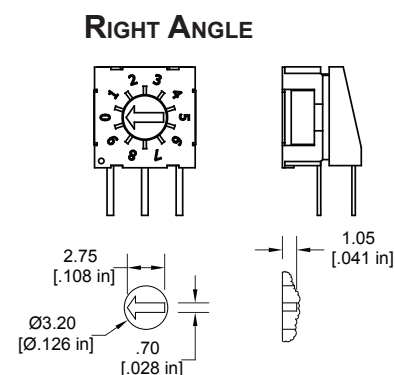
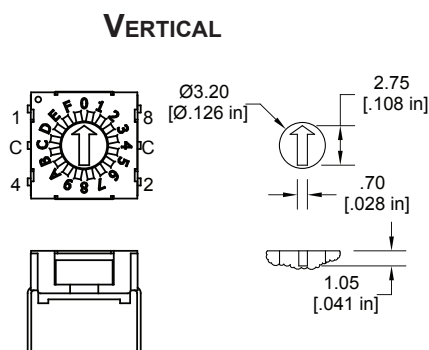
# RDM SERIES ROTARY DIP SWITCH

## BODY DIMENSIONS

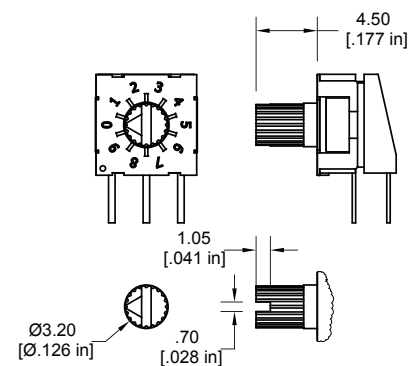
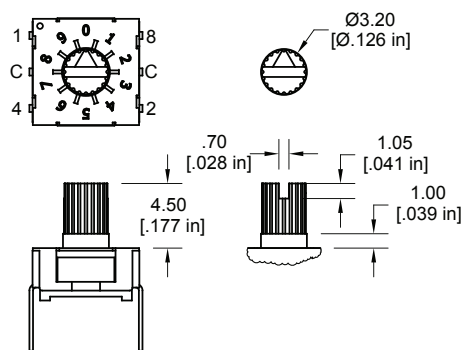


## ACTUATOR OPTIONS

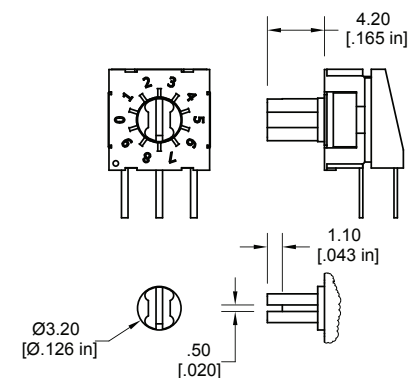
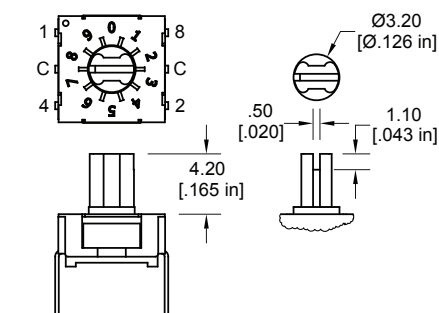
**“A” ACTUATOR**



**“B” ACTUATOR**



**“E” ACTUATOR**



# RDM SERIES ROTARY DIP SWITCH

## GENERAL CODE

COMPLEMENT CODE

|    | C | 1 | 2 | 4 | 8 |   |
|----|---|---|---|---|---|---|
| 0  | ● | ● | ● | ● | ● | 0 |
| 1  | ● |   | ● | ● | ● | 1 |
| 2  | ● | ● |   | ● | ● | 2 |
| 3  | ● |   |   | ● | ● | 3 |
| 4  | ● | ● |   |   | ● | 4 |
| 5  | ● |   | ● |   |   | 5 |
| 6  | ● | ● |   |   | ● | 6 |
| 7  | ● |   |   | ● |   | 7 |
| 8  | ● | ● | ● | ● |   | 8 |
| 9  | ● |   | ● | ● |   | 9 |
| 10 | ● | ● |   | ● |   | A |
| 11 | ● |   |   | ● |   | B |
| 12 | ● | ● | ● |   |   | C |
| 13 | ● |   | ● |   |   | D |
| 14 | ● | ● |   |   |   | E |
| 15 | ● |   |   |   |   | F |

16 POSITION

(ACTUATOR COLOR: IVORY)

REAL CODE

|    | C | 1 | 2 | 4 | 8 |   |
|----|---|---|---|---|---|---|
| 0  | ● |   |   |   |   | 0 |
| 1  | ● | ● |   |   |   | 1 |
| 2  | ● |   | ● |   |   | 2 |
| 3  | ● | ● | ● |   |   | 3 |
| 4  | ● |   |   | ● |   | 4 |
| 5  | ● | ● |   | ● |   | 5 |
| 6  | ● |   | ● | ● |   | 6 |
| 7  | ● | ● | ● | ● |   | 7 |
| 8  | ● |   |   | ● |   | 8 |
| 9  | ● | ● |   | ● |   | 9 |
| 10 | ● | ● |   | ● |   | A |
| 11 | ● | ● | ● |   |   | B |
| 12 | ● |   |   | ● | ● | C |
| 13 | ● | ● |   | ● | ● | D |
| 14 | ● |   | ● | ● | ● | E |
| 15 | ● | ● | ● | ● | ● | F |

16 POSITION

(ACTUATOR COLOR: GRAY)

COMPLEMENT CODE

|   | C | 1 | 2 | 4 | 8 |
|---|---|---|---|---|---|
| 0 | ● | ● | ● | ● | ● |
| 1 | ● |   | ● | ● | ● |
| 2 | ● | ● |   | ● | ● |
| 3 | ● |   | ● | ● | ● |
| 4 | ● | ● | ● |   | ● |
| 5 | ● |   |   | ● | ● |
| 6 | ● | ● |   |   | ● |
| 7 | ● |   |   |   | ● |
| 8 | ● | ● | ● | ● |   |
| 9 | ● |   | ● | ● |   |

10 POSITION

(ACTUATOR COLOR: ORANGE)

REAL CODE

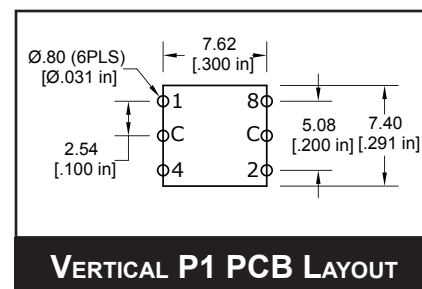
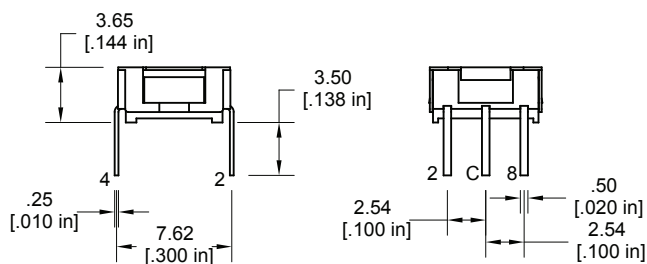
|   | C | 1 | 2 | 4 | 8 |
|---|---|---|---|---|---|
| 0 | ● |   |   |   |   |
| 1 | ● | ● |   |   |   |
| 2 | ● |   | ● |   |   |
| 3 | ● | ● | ● |   |   |
| 4 | ● |   |   | ● |   |
| 5 | ● | ● |   | ● |   |
| 6 | ● |   | ● | ● |   |
| 7 | ● | ● | ● | ● |   |
| 8 | ● |   |   |   | ● |
| 9 | ● | ● |   |   | ● |

10 POSITION

(ACTUATOR COLOR: RED)

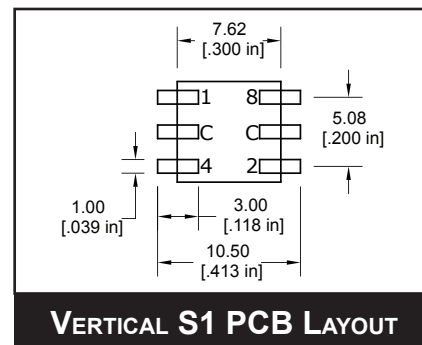
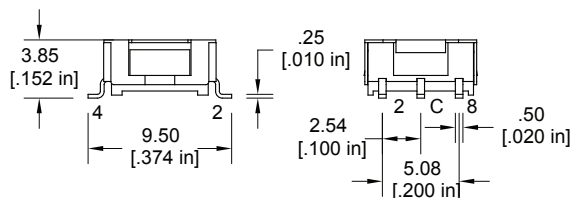
## TERMINATION OPTIONS

### P1 - VERTICAL



VERTICAL P1 PCB LAYOUT

### S1 - VERTICAL



VERTICAL S1 PCB LAYOUT



|                      |                   |              |                  |                     |                     |                 |                 |                |                      |                  |                 |             |
|----------------------|-------------------|--------------|------------------|---------------------|---------------------|-----------------|-----------------|----------------|----------------------|------------------|-----------------|-------------|
| ANTI-VANDAL SWITCHES | DETECTOR SWITCHES | DIP SWITCHES | KEYLOCK SWITCHES | NAVIGATION SWITCHES | PUSHBUTTON SWITCHES | ROCKER SWITCHES | ROTARY SWITCHES | SLIDE SWITCHES | SNAP ACTION SWITCHES | TACTILE SWITCHES | TOGGLE SWITCHES | CAP OPTIONS |
|----------------------|-------------------|--------------|------------------|---------------------|---------------------|-----------------|-----------------|----------------|----------------------|------------------|-----------------|-------------|

## 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

### Офис по работе с юридическими лицами:

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moschip.ru\_6

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