



## RT1 SERIES

Sealed Toggle Switch

Introducing the RT1 series: an environmentally sealed toggle switch engineered to excel in logic level applications. Featuring single pole double throw (SPDT) operation and available with momentary or maintained functions, the RT1 Series can be easily integrated into any switch panel.



### FEATURES

- Environmentally sealed to IP67
- Multiple single pole functions
- Panel cutout dia. 17.65 (.695)
- Solder lug or flying leads

### SPECIFICATIONS

#### ELECTRICAL CAPACITY (Resistive load)

Logic level: 0.4VA maximum @ 28V AC/DC maximum  
(Applicable range: 0.1mA - 0.1A @ 20mV - 28V)

#### OTHER RATINGS

Contact resistance: 20 milliohms maximum

Insulation resistance: 1,000 megohms minimum @ 500V DC

Dielectric strength: 1,000V AC minimum between contacts for 1 minute minimum;  
1,500V AV minimum between contacts and case for 1 minute minimum

Mechanical life: 50,000 operations minimum

Electrical life: 50,000 operations minimum

Angle of throw: 25°



## SPECIFICATIONS

### ENVIRONMENTAL

Operating temperature: -30°C to +85°C

Humidity: 90 – 95% humidity for 240 hours @ 40°

Vibration: 10 ~ 55Hz with peak-to-peak amplitude of 1.5mm  
traversing the frequency range & returning in 1 minute;  
3 right angled directions for 2 hours

Shock: 500m/s<sup>2</sup> acceleration (tested in 6 right angled  
directions, with 5 shocks in each direction)

Sealing: IP67 above panel

### MATERIALS & FINISHES

Toggle arm: Brass with chrome plating

Frame: Stainless steel

Housing/Bushing: Brass w/black oxide

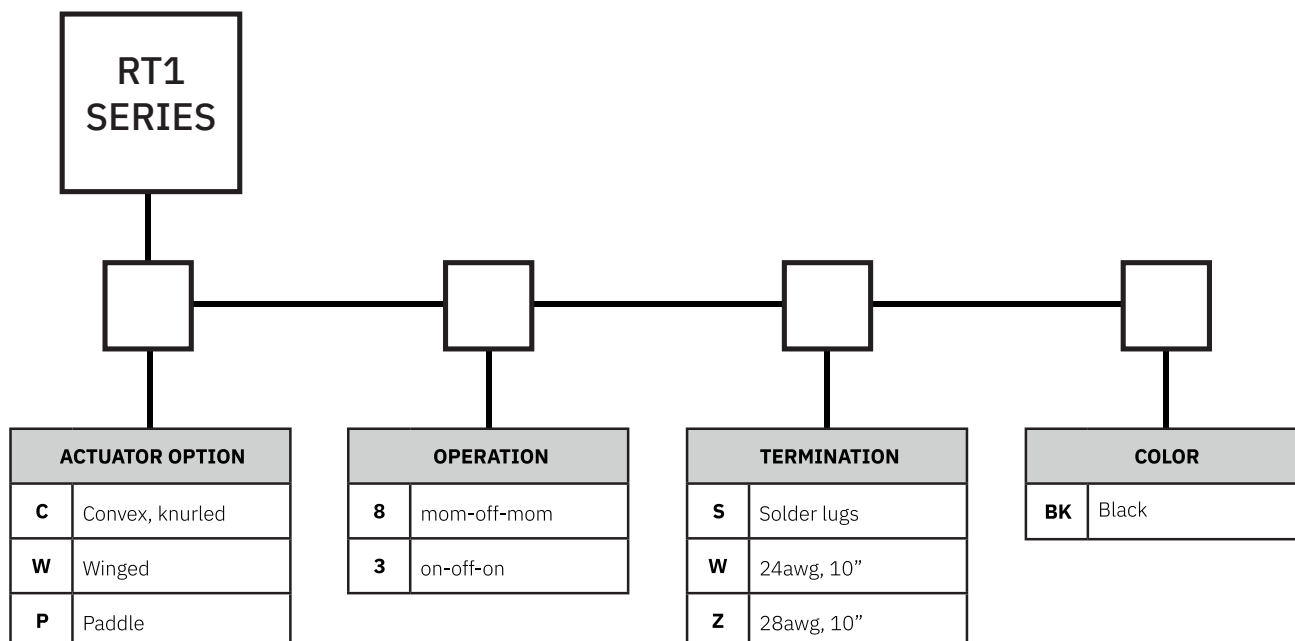
Lock washer: Stainless steel

Mounting nut: Brass w/black oxide

Terminals: Gold plated brass



RT1 SERIES PART NUMBER CODE



ACTUATOR OPTION & PANEL CUTOUTS

