BT

Miniature Toggle Switch

RoHS Compliant

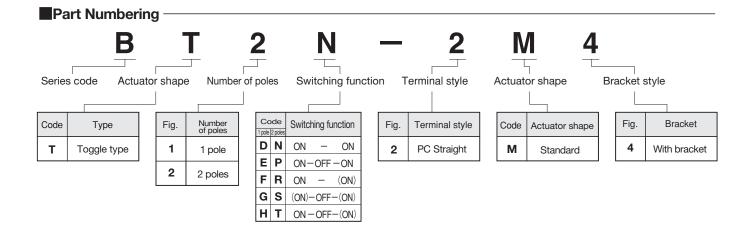


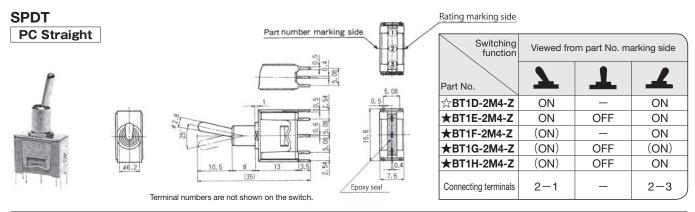
Features -

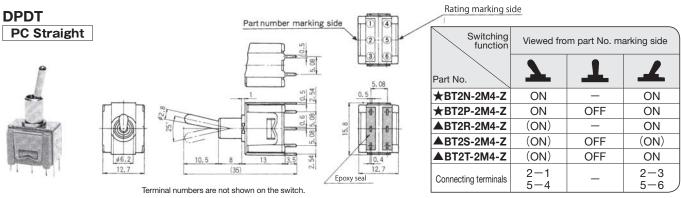
- 1. Terminal pin pitch: 2.54 mm.
- 2. Gold-plated contacts
- 3. Wiping contact mechanism for long-term reliability
- 4. Independent detent mechanism ensures light operational feel.
- 5. Epoxy-sealed terminal pins
- 6. Miniature size (Single-pole: 7.6mm, Double-pole: 12.7mm) for high density mounting.

Specifications

Rating	Max.	50mA 20VAC · DC	
Initial contact resistance		50mΩ max.	$(1.5 \text{mA} 200 \mu \text{VAC})$
Dielectric strength		500VAC 1 minute	
Insulation resistance		10,000MΩ min.	(250VDC)
Electrical life		50,000 cycles	
Operating temperature range		-20°C~+85°C	
Storage temperature range		-40°C~+85°C	







1-pole 2-poles 10-\(\phi \).8 \\ \frac{10-\phi 0.8}{5.08} \\ \frac{10-\phi 0.8}{5.08}

Optional Accessories					
		《Sold separately》			
Color Cap (Round type)					
Dimensions	Color	Part. No.			
ø5 ø5 ∞ ø5 Ø3.8 Vinyl chloride resin	White Red Black Gray	140000470030 140000470098 140000470031 140000470037			

Color Cap (Square type)					
Dimensions	Color	Part. No.			
Ø4.8 Ø3.8 Vinyl chloride resin	White Red Black Gray	140000470038 140000470100 140000470039 140000470077			

■ Soldering Specifications

(1)Manual Soldering

Device: Soldering iron 380°C, Max.; 3 seconds, Max.

(2)Auto Soldering

Device: Jet wave type or dip type 275°C, Max.; 3 seconds, Max.

- Pre-heating should be done at temperatures below 100°C and within 30 sec.
- (3)When soldering two or more terminals to the common land, use the solder resist to solder them independently.

Flux Cleaning -

(1)Solvent: Fluorine or Alcohol type.

- (2)The **BT** series are not washable. To wash the PC board, clean the soldering surface of PC board with a brush so that the switch is not exposed to the cleaning solution.
- (3)Cleaning after soldering should be done after the terminal temperature falls to 90°C or below, or after leaving the switch for five minutes or longer at room temperature.

■ Mounting of Switch

- ●Use PC boards with hole diameter of 0.8mm.
- Do not bend the terminal pins before mounting the switch on the PC board.
- After mounting the switch, do not place the device in such a way that the device weight will be applied on to the actuator of the switch.
- Do not apply load exceeding 29.4N to the actuator.

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