

Soberton Inc.

**RoHS
Compliant**



SM Micro Switch Series

Features

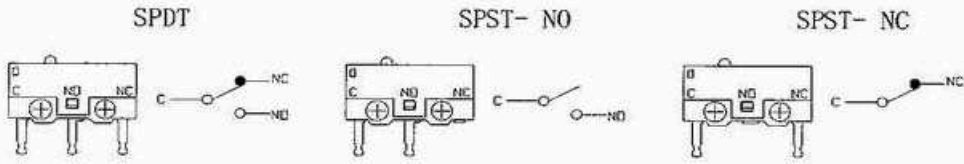
- Safe, reliable, basic switch
- Quick action
- High sensitivity
- Small operating travel
- Long life, high reliability
- Variety of levers and contact terminals

Specifications

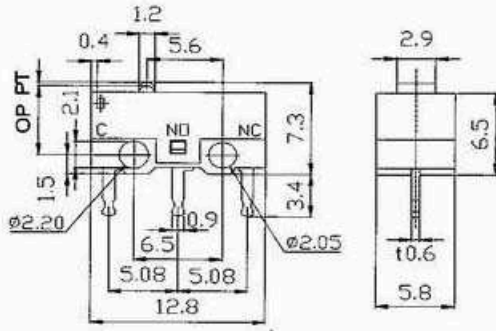
Operating speed		.1mm-1m/s
Operating frequency		Mechanical: 60 cycles/min Electrical: 25 cycles/min
Insulation resistance		≥100MΩ (500VDC)
Contact resistance		≤30mΩ (initial value)
Test Voltage		
Test Voltage	Between terminals of = polarity	AC 1000V,50/60Hz, 1 min
	Between current carrying metal parts and ground, and between each terminal and non-current-carrying metal part	AC 1500V,50/60Hz, 1 min
Vibration resistance		10-55Hz, 1.5mm double amplitude
Shock resistance		Destruction: OF>0.5N:1000m/s ² (100G) max OF≤0.5N:500m/s ² (50G) max Malfunction: OF>0.5N:300m/s ² (30G) max OF≤0.5N:200m/s ² (50G) max
Life expectancy		Mechanical ≥ 1,000,000 cycles Electrical (1A) ≥ 10,000 cycles
SM-□□□-□□□□□□ 1 2 3 4 5 6 7 8 9		
1.Ratings		P1: 0.1A/48VDC 01:1A125/250VAC 05:5A125/250VAC 10:10A125/250VAC
2. Clothed		No Mark: Ag 2: Au
3. Operating force		N: 50g L: 100g S: 150g H: 200g
4. Actuator Forms		00: No lever 01: Short lever 02: Standard lever 03: Long lever

	04: Arc lever 05: Short roller lever 06: Standard roller lever □□: Not standard lever
5. Terminal types	A: Solder terminal C: quick common terminal #110 P: Underside PCB terminal VI: Right side PCB terminal V: Left side PCB terminal E: Not standard terminal
6. Connection form	0: SPDT 2: SPST-NO 3: SPST-NC
7. Case material	No mark: thermo plastic G: thermosetting
8. Part element	No mark: general L: Low lead
9. Degree of temperature	No Mark: 40T105 T: 25T105

Connect forms illumination



Dimensions



Mounting hole dimensions

	PCB Under side PCB terminal	PCB Left side PCB terminal	PCB Right side PCB terminal

Connect terminal dimensions

