

Washable

RoHS Compliant

Hyper-miniature Slide Switches



UL

Features

1. High Contact Reliability

Twin-contact clip mechanism for high contact reliability

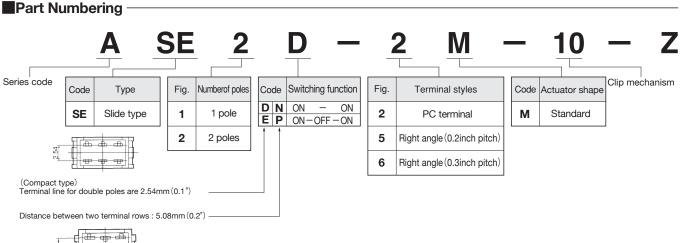
- 2. Immersion washable type
- 3. Gold-plated contacts suitable for low current applications
- 4. For PC board mounting
- 5. Improved operability

The independent detent structure provides a light operating touch.

6. UL-recognized

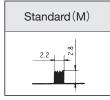
Specifications –

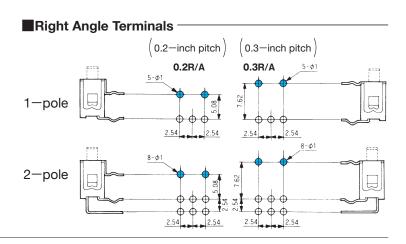
Rating	0.4VA AC/DC	Voltagr range	20mV~60V			
		Current range	1 μ A~50mA			
	Max.	50mA 60VAC/DC				
	Min.	1µA 20mVAC/DC				
	UL	48VAC/DC 50mA				
Initial contact resistance		50mΩ max.	(1.5mA 200µVAC)			
Dielectric strength		250VAC 1 minute				
Initial insulation resistance		500MΩ min.	(500VDC)			
Electrical life		10,000 cycles at max. rating.				
		50,000 cycles at min. rating or 0.4VA				
Operating force		0.69~4.9N				
Operating temperature range		−20°C~+85°C				
Storage temperature range		−40°C~+85°C				

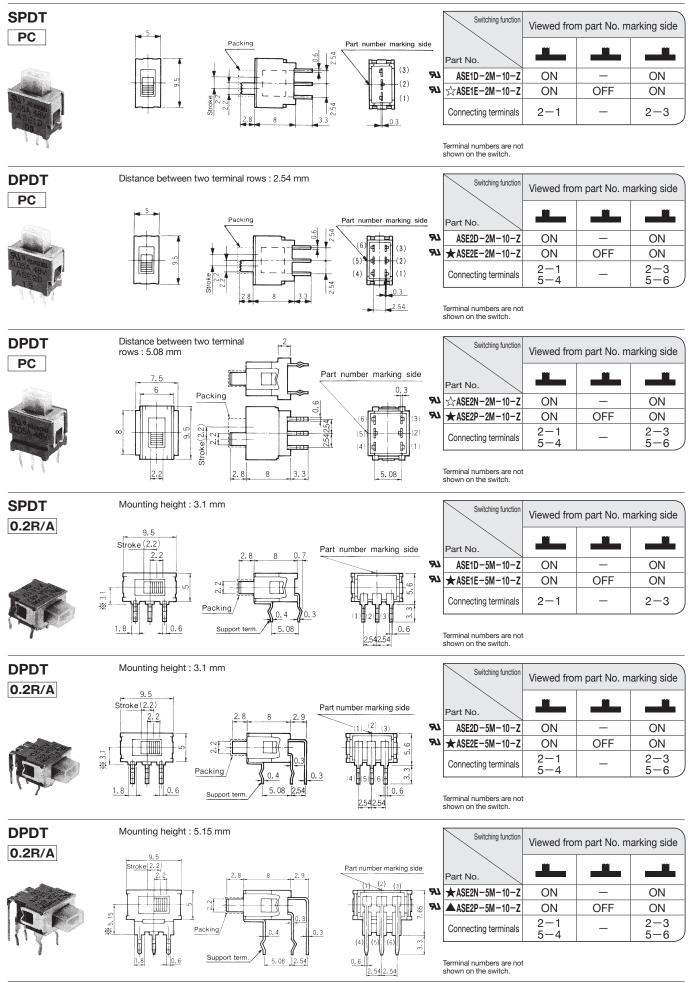




Actuator Shape

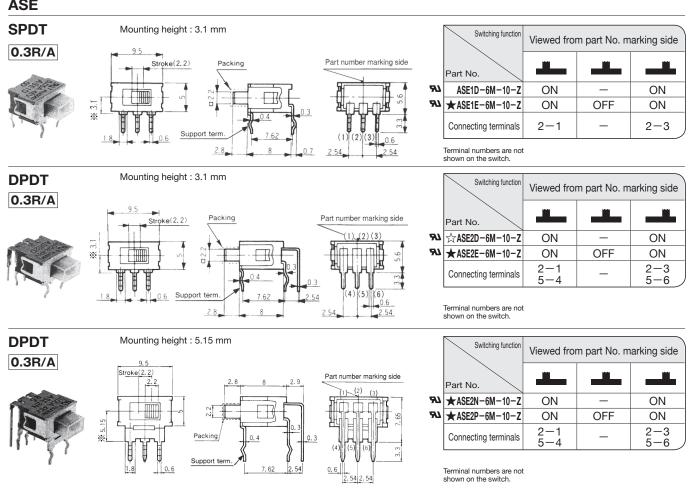






•The actuator is sealed with a white-colored packing. Remove the packing with tweezers after the washing process.

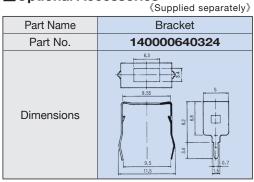




Mounting Height

Switching function	D·E	N·P
Mounting	PC board	PC board

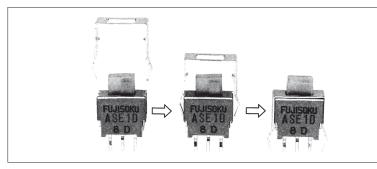
Optional Accessories



PC Hole Layouts

Series	P/C terminal		Right Angle terminal	
	Whithout bracket	Whit bracket	0.2inch pitch	0.3inch pitch
ASE1D ASE1E	3- <i>φ</i> 1 2.54 2.54	5- # 1 2.54 2.54 2.54 2.54		
ASE2D ASE2E			5.08 8-¢1	
ASE2N ASE2P			5.08 2.54	

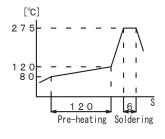
Bracket Installation Procedure



Handling Precautions (AS and ASE Series) 1.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.; 6 seconds, Max.
- Pre-heating should be done at temperatures ranging from 80°C to 120°C and within 120 sec.

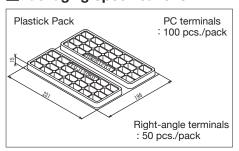


2. Flux Cleaning

- (1)Solvent : Fluorine or Alcohol type.
- (2)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.
- AS series are not process sealed and are not washable. If the PC board is to be cleaned, clean the soldering surface of substrate with a brush so that the switch is not exposed to the cleaning solution.
- (3)Do not use ultrasonic cleaning system.

3. Mounting of Switch

- (1)Use the PC boards of ϕ 1 holes.
- (2)Do not bend the terminals before mounting the switch on the PC board.
- (3)After mounting the switch, do not place the device in such a way that the device weight will be applied on the knob, etc. of the switch.
- (4)Do not apply load exceeding 12.7 N (1.3 kgf) to the knob. Use a bracket (optional accessory) if the load is expected to exceed 12.7 N (1.3 kgf). The strength of the knob will be reinforced to 29.4 N (3 kgf) max..



Packaging Specifications -