

# **EDG/EDS SERIES**

SLIDE TYPE (SLIDE WITH RIGHT ANGLE TYPE)



## **FEATURES**

- Tactile response is performed directly by larger contact pressure to ensure very stable contact.
- All plastics are UL 94V-0 grade fire retardant.
- Bottom epoxy sealed standard to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold, Silver, or Tin plated contacts to ensure low contact resistance and long mechanical life.
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming is required.

## **SPECIFICATIONS**

### **1. ELECTRICAL**

Contact rating	
switching	25mA, 24VDC
non-switching	100mA
Contact resistance	
initial	50m $\Omega$ Max.
after life test	100m $\Omega$ Max.
Insulation resistance	1000M $\Omega$ Min. at 100VDC
Dielectric strength	500VDC Min. for 60 seconds
Capacitance between adjacent switches 5pF Max.	

### **2. MECHANICAL**

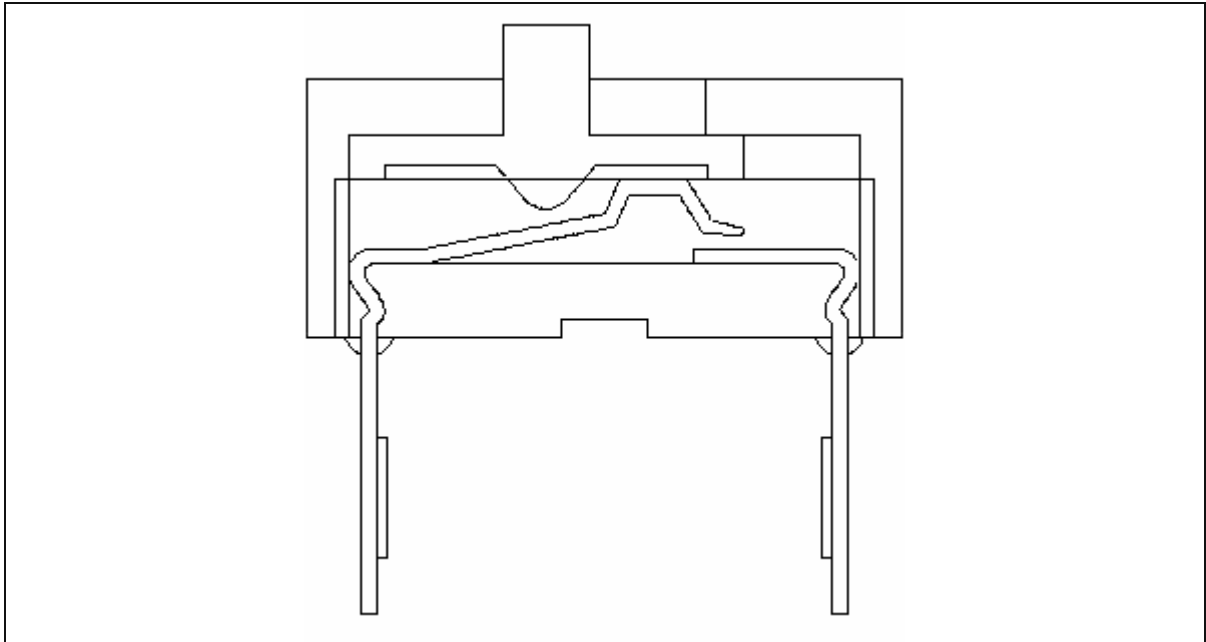
Temperature rating	
operating	-25 $^{\circ}$ C to + 70 $^{\circ}$ C
storage	-40 $^{\circ}$ C to + 85 $^{\circ}$ C
Operation force	800g Max.
Mechanical life	2000 operations
Humidity	95%RH, 40 $^{\circ}$ C for 96 Hrs.
Vibration	Per MIL-STD-202F, method 204D

Solderability	after flux 230±5℃ for 5±0.5 seconds, 95% coverage
Resistance to soldering heat	260±5℃ for 5±1 seconds

## PART NUMBERING SYSTEM

EDG 1 08 S X  
 +--- Blank:Standard  
       Z:RoHS Compliant(For EDS series only)  
 +--- Actuator and Sealing:  
       S:Standard  
       L:Low Profile Actuator  
       LT:Low Profile and Tape Sealed  
       ST:Standard and Tape Sealed  
 +--- Number of positions:  
       As Dimensions and Circuitry  
 +--- Contact Forms:  
       1.SPST 2.DPST 3.SPDT  
       4.3PST 5.4PST 6.DPDT  
 +--- Series Name:  
       EDG:Gold Plated Contacts  
       EDS:Silver or Tin Plated Contacts

## CONSTRUCTION



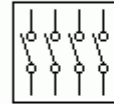
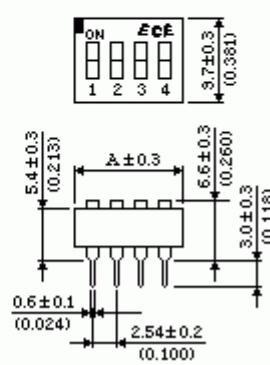
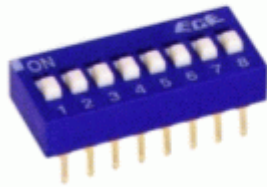
## DIMENSIONS AND CIRCUITRY

**DIMENSION A**

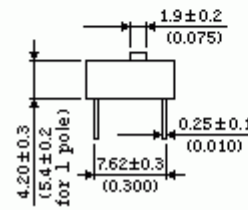
**EDG/EDS SPST**

Positions	1	2	3	4	5	6	7	8	9	10	12	15
A	3.9* (0.154)	6.7 (0.264)	9.2 (0.362)	11.7 (0.461)	14.2 (0.559)	16.7 (0.657)	19.2 (0.756)	21.7 (0.854)	24.2 (0.953)	26.7 (1.051)	31.8 (1.252)	39.5 (1.555)

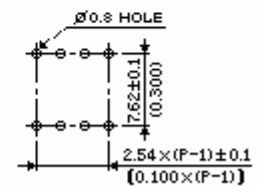
**Unit:mm(inch)** \* The dimensions of the 1 pole switch may vary slightly.



Extended type



P.C.B. LAYOUT  
(TOP VIEW)

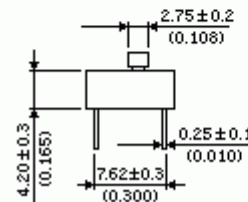
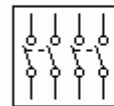
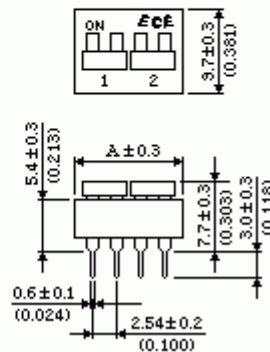
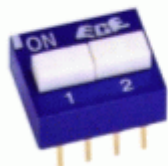


**DIMENSION A**

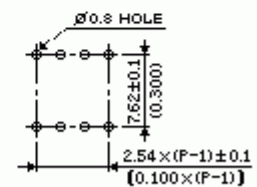
**EDG/EDS DPST**

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

**Unit:mm(inch)**



P.C.B. LAYOUT  
(TOP VIEW)

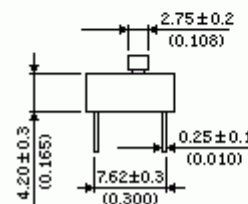
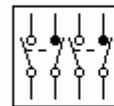
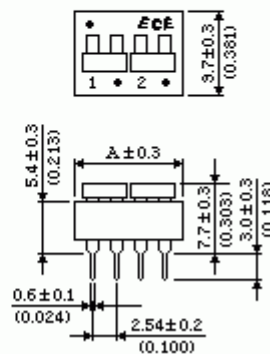
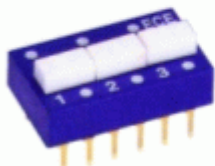


**DIMENSION A**

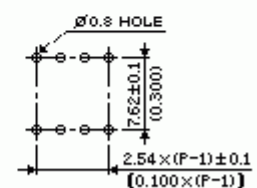
**EDG/EDS SPDT**

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

**Unit:mm(inch)**



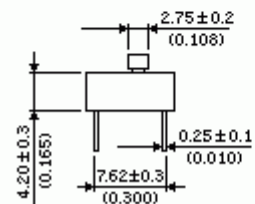
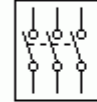
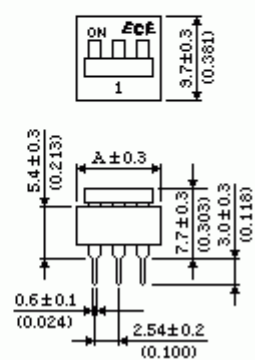
P.C.B. LAYOUT  
(TOP VIEW)



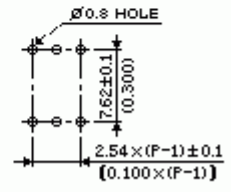
**DIMENSION A EDG/EDS 3PST**

Positions	1	2	3	4	5
A	9.2 (0.362)	16.7 (0.657)	24.2 (0.953)	31.8 (1.25)	39.5 (1.555)

Unit:mm(inch)



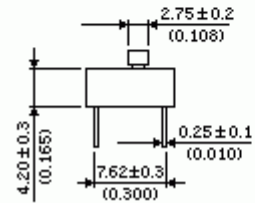
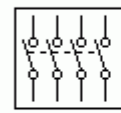
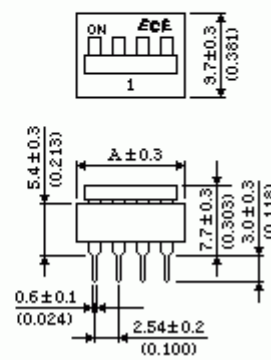
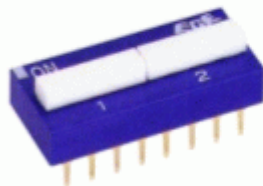
P.C.B. LAYOUT (TOP VIEW)



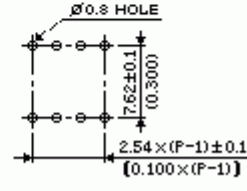
**DIMENSION A EDG/EDS 4PST**

Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)



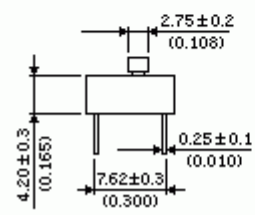
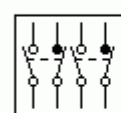
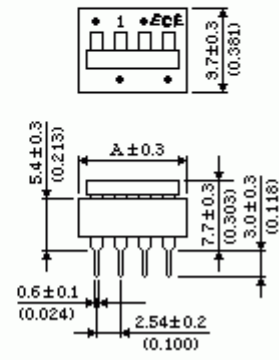
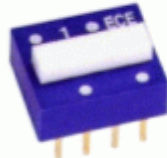
P.C.B. LAYOUT (TOP VIEW)



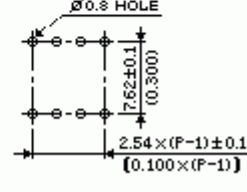
**DIMENSION A EDG/EDS DPDT**

Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)



P.C.B. LAYOUT (TOP VIEW)



## OPTIONS

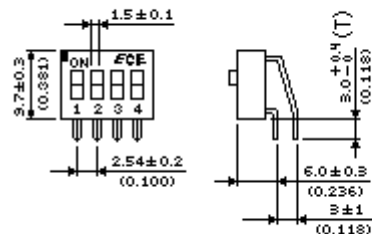
### ● RIGHT ANGLE TYPE

DIMENSIONS AND CIRCUITRY

DIMENSIONS A IS SAME AS ABOVE

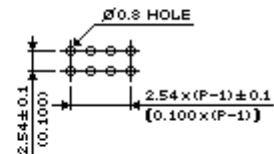


Right angle type



Unit:mm(inch)

P.C.B LAYOUT



\*\* The "T" of the 1 position switch is  $3.0 \pm 0.2$

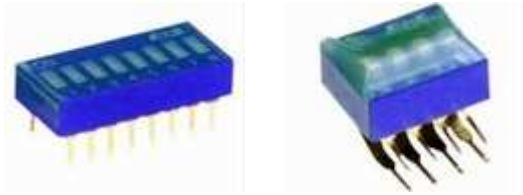
### PART NUMBERING SYSTEM

EDG	X	XX	X	XX	X	X	
							+--- Blank:Standard
							Z:RoHS Compliant
							(For EDS series only)
							+--- Blank:Without Tape Sealed
							T:With Tape Sealed
							+--- RA:Right Angle
							+--- Actuator and Sealing:
							S:Standard
							L:Low Profile Actuator
							+--- Number of positions:
							As Dimensions and Circuitry
							+--- Contact Forms:
							1.SPST 2.DPST 4.3PST 5.4PST
							+--- Series Name:
							EDG:Gold Plated Contacts
							EDS:Silver or Tin Plated Contacts

### ● LOW PROFILE ACTUATORS



### ● LOW PROFILE ACTUATORS AND TOP TAPE SEALED



● SPECIAL TOP OR SIDE MARKING AVAILABLE