# MICRO SWITCH ESW SERIES

### **FEATURES**

- Sealed construction by epoxy resin and rubber cap for use in adverse environment such as dust or wet areas.
- 2-piece spring mechanism design offering durable acute operation and long life.
- Small compact size suitable for electric equipment.

#### APPLICATIONS

- Communication equipment
- OA/FA machines
- Air purifier
- Ice-making equipment



#### **■ SPECIFICATIONS**

Ratings	AC 125V 5A / 250V 3A DC 30V 3A	
Circuit arrangement	Single pole Double throw (1c) Single pole single throw (1a)(1b)	
<ul> <li>Protective construction classification of IEC</li> </ul>	Dust protected type IP50 Immersion protected type IP67	

#### 1.ELECTRICAL PERFORMANCE

Insulation resistance	100M Ω Min. at 500VDC
Dielectric strength	Between non-continuous terminals: AC 1000Vrms Between each terminal and other exposed metal parts: AC 1500Vrms Between each terminal and ground: AC 1500Vrms
<ul> <li>Initial contact resistance</li> </ul>	50m $\Omega$ Max.

#### 2.DURABILITY

Mechanical Life	5,000,000 cycles Operations
Electrical Life	100,000 cycles Operations

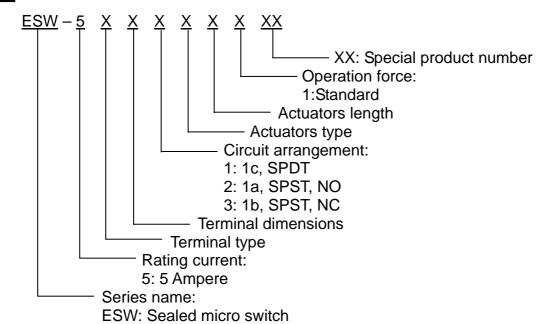
#### 3.ENVIRONMENTAL

<ul><li>Ambient Temperature</li></ul>	-40° $ℂ$ to +85° $ℂ$ (without dew condensation)
---------------------------------------	---



# Making Great Switch in Your Needs!

# **■ PART NUMBERING SYSTEM**



Code	Actuators type	Actuators length	
		Code A	Code B
00	Without lever		
1	Straight lever	14.5mm	16.5mm
2	Simulated roller lever	15.8mm	
3	Roller lever	14.5mm	

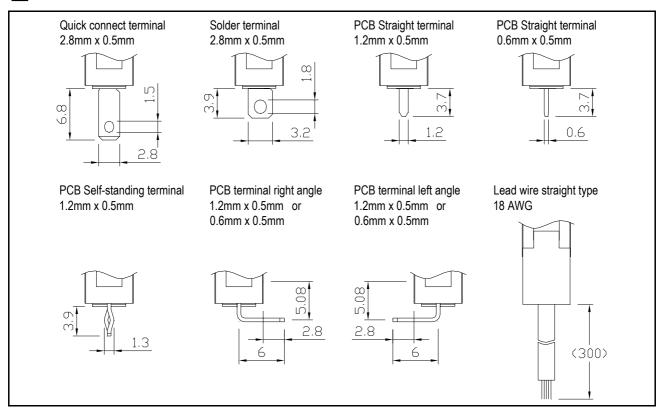
Code	Tarminal tune	Terminal dimensions	
	Terminal type	Code A	Code B
1	#110 Quick connect terminal	2.8mmx0.5mm	
2	PCB Self-standing terminal	1.2mmx0.5mm	
3	PCB Straight terminal	1.2mmx0.5mm	0.6mmx0.5mm
4	PCB Terminal right Angle	1.2mmx0.5mm	0.6mmx0.5mm
5	PCB Terminal left Angle	1.2mmx0.5mm	0.6mmx0.5mm
6	Solder terminal	3.2mmx0.5mm	
7	Lead wire straight type	18 AWG	



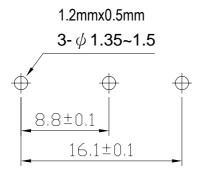
# Making Great Switch in Your Needs!



## **■ TERMINAL OPTIONS UNIT:mm**



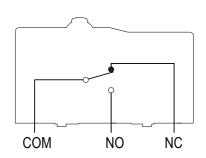
### **■ PC BOARD PATTERN**



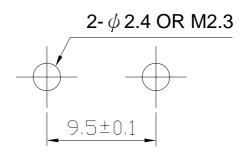
# 0.6mmx0.5mm 3- $\phi$ 0.75~0.95 $7.5\pm0.1$

 $15 \pm 0.1$ 

# **■ CIRCUIT DIMENSIONS**



# **■ MOUNTING HOLE LAYOUT**



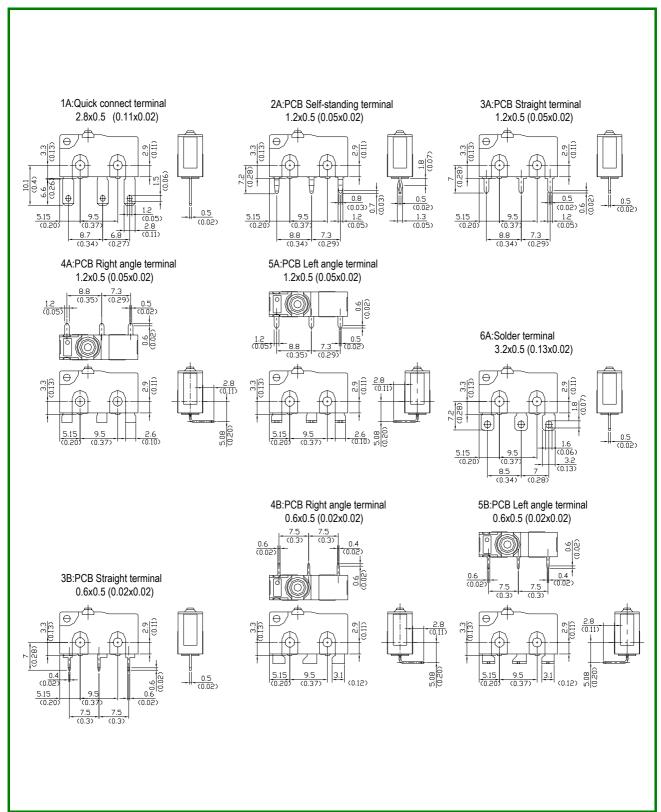




# Making Great Switch in Your Needs!



# **■ TERMINAL TYPE UNIT:mm(inch)**



# **■ DIMENSIONS** UNIT:mm(inch)

