



# Shanpu

## Multi-function encoder Switches Series

### *Functional . High texture . Convenience*

- Encoder
- Tactile Switch
- Rotary
- LED illuminated
- Easy to install
- Metal
- Marking service



### *Application*

Public building · Home Security · Business building · Industrial equipment ·  
Audio · 3D Printer · LED lighting. ..etc.





# Shan Pu

## Multi-function encoder Switches Series **SF39EA / SF39EB**



PAT. M512798  
PAT. ZL 201520267491.6

### General Specifications

Current Rating :1 mA  
Voltage Rating :10 VDC  
Dielectric Withstanding Voltage :250VAC for 1 minute  
Contact Resistance :300m Ohm Max.(initial)  
Insulation Resistance :100M Ohm Min.  
Operating Force :Rotation Max. 60gf·cm  
Push Max. 220gf±50gf

### Mechanical Life

:Rotation - Min. 200,000 operations  
(C.W. 100,000 & C.C.W 100,000)  
Push - Min. 1,000,000 operations

### Operating Frequency

:Rotation - Max. 30 operations per minute  
Push -Max. 120 operations per minute

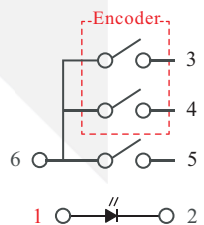
:0 °C ~ +40 °C

### Operating Temperature

### Materials

Knob :Polyamide (PA)  
Push Cap :Polycarbonate (PC)  
Housing :Aluminum  
Nuts :Polyamide (PA)  
Base :Polyamide (PA)  
Connector :PA , Brass with Tin plating

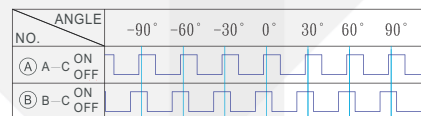
### Configuration



| Pin | Function     |
|-----|--------------|
| 1   | LED(+)       |
| 2   | LED (-)      |
| 3   | A-Com ON OFF |
| 4   | B-Com ON OFF |
| 5   | SW N.O.      |
| 6   | SW COM.      |

The Connector for SF39EA module similar JST B6B-PH-K-A

### Rotation



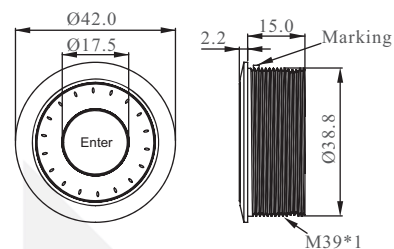
CW ← → CCW

Numbers of detent : 24

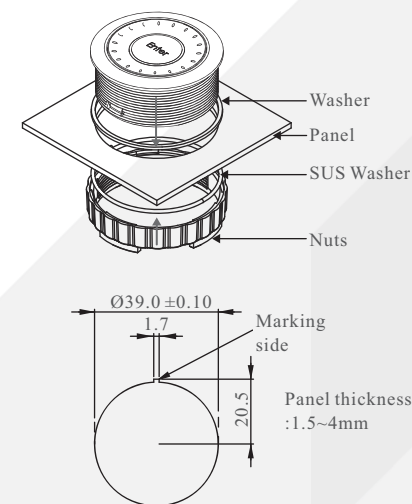
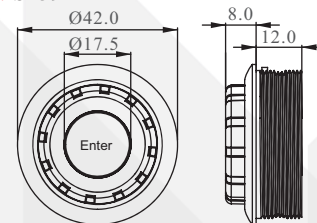
Pulse / Rotation : 12 pulse / 360°

### Dimension & Installation Notes & Panel Cutting

#### / SF39EA



#### / SF39EB



### How to order



#### **SF39EA5051A**

Pure Green LED /  
Silver Housing / Silver knob /  
Black Cap with Marking



#### **SF39EB7551A**

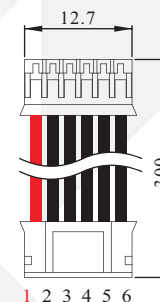
Blue LED /  
Black Housing / Silver knob /  
Black Cap with Marking



#### **SF39EB4551B**

White LED /  
Black Housing / Black knob /  
Black Cap with Marking

### Option



Cable: YCW013

Cable:UL1007#26AWG  
Conductor pitch : 2.0mm  
Conductor width : □0.5mm

※ Color is subject to actual product.

※ We provide Laser Marking service.