



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**

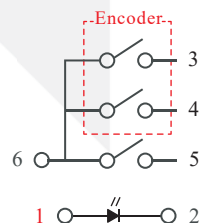


PAT. M512798
PAT. ZL 201520267491.6

General Specifications

Push button circuit	: SPST-NO(push)
Contact Rating	: 1mA @ 10V DC(Rotation) 1mA @ 10V DC(Center push)
LED rating	: Limited forward current(IF) at 20mA max
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 per minute
Operating Frequency	: Rotation - Max. 30 operations per minute Push -Max. 120 operations per minute
Operating Temperature	: 0 °C ~ +40 °C
Materials	
Knob	: Polyamide (PA)
Push Cap	: Polycarbonate (PC)
Housing	: Aluminum
Nuts	: Polyamide (PA)
Base	: Polyamide (PA)
Connector	: PA , Brass with Tin plating

Configuration

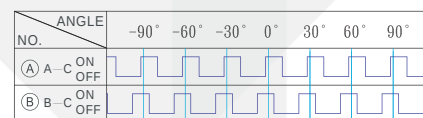


Recommend add resistor
to limited each LED
forward current at 20mA

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

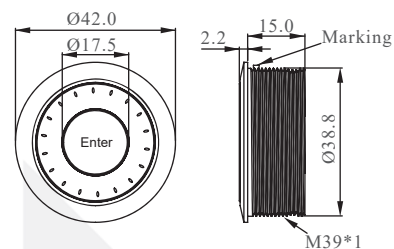
Rotation



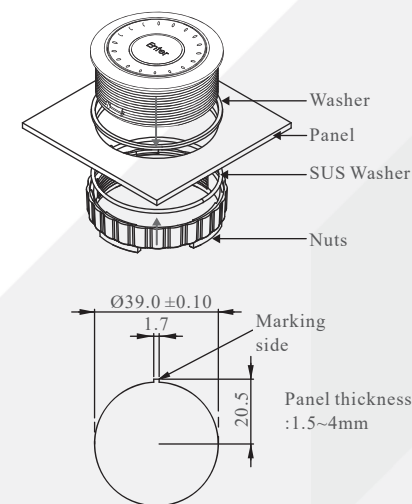
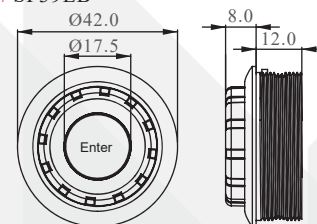
CW ← → CCW
Numbers of detent : 24
Pulse / Rotation : 12 pulse / 360°

Dimension & Installation Notes & Panel Cutting

/ SF39EA



/ SF39EB



How to order



SF39EA5051A

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



SF39EB7551A

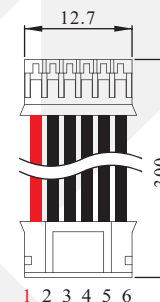
Blue LED /
Black Housing / Silver knob /
Black Cap with Marking



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