

# DATA SHEET

**SUNGMUN CODE :** SSI-10H

**DESCRIPTION :** MINI SLIDE SWITCH

## **SUNGMUN ELECTRONICS CO., LTD.**

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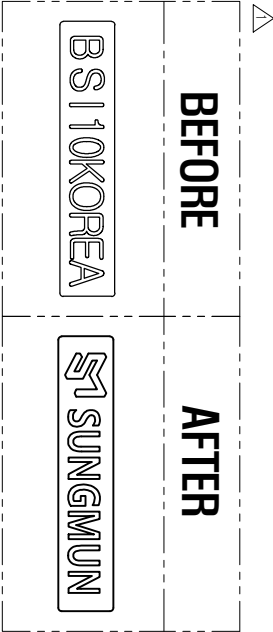
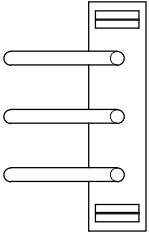
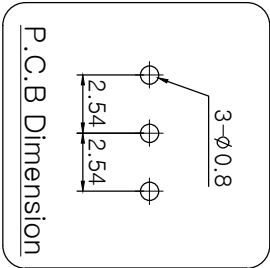
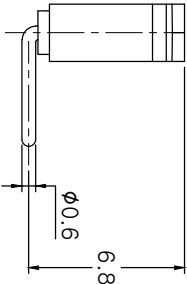
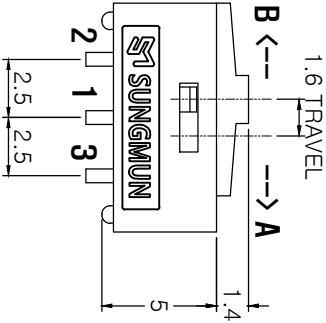
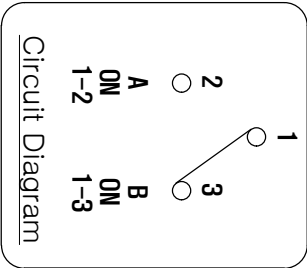
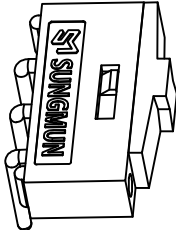
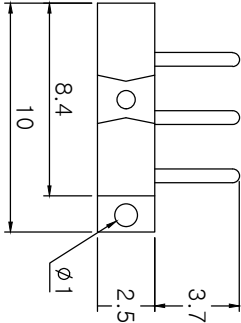


**SUNGMUN**  
ELECTRONICS

REV NO.	DATE	REVISION		DR	CH	APP
△	22.09.08	CHANGE THE MARKING		K.N KIM	W.J LEE	K.I LEE
△	22.10.05	CHANGE THE MODEL NO		K.N KIM	W.J LEE	K.I LEE

SPECIFICATION

1. Rating : DC12V 0.5A~24V 0.3A.
2. Contact Resistance : 30mΩ Max.
3. Travel : 1.6mm.
4. Operating Force : 250 ± 150gf.
5. Life Cycle : 2,000 Cycle (with load).
6. Packing : 200pcs Vinyl Bag



DRAW/DESIGNED	CHECKED	APPROVED	G.TOL	TITLE	MINI SLIDE SWITCH
Y.S KIM	B.S KANG	K.I LEE	±0.3	MODEL NO.	SS1-10H △
2021-08-23	2021-08-23	2021-08-24	UNIT SCALE	3:1	REV.
SUNGMUN ELECTRONICS CO.,LTD			SIZE	DRAW NO.	SS1-10H-02 △
			A4		02

## 1. Electrical Characteristics :

- 1.1 Rating : AC, DC 12V 0.5A~24V 0.3A (Minimum current: 1mA)
- 1.2 Contact Resistance : Max 30 mΩ
- 1.3 Insulation Resistance : Min 10,000 MΩ at DC 500V
- 1.4 Withstanding Voltage : 1min at AC 500V

## 2. Mechanical Characteristics :

- 2.1 Operating Force : 250gf ± 150gf
- 2.2 Travel : 1.6mm
- 2.3 Insulator :
  - 2.3.1 Case : Glass Fiber resin
  - 2.3.2 Slide : Glass Fiber resin
- 2.4 Terminal : Nickel, Gold Plate

## 3. Life Test :

- 3.1 Test Condition : Operations at a rate of 15-20 cycles in 1 minute
  - 3.1.1 With load : 2,000 cycles
  - 3.1.2 Without load : 10,000 cycles
- 3.2 Operating Force : With +40%, -40% of Initial Value
- 3.3 Contact Resistance : Max 200mΩ

## 4. Environmental Characteristics :

- 4.1 Operating Temperature : -40°C to +85°C
- 4.2 Storage Temperature : -40°C to +85°C
- 4.3 Humidity Test :
  - 4.3.1 Test Conditions : Measured 1hour after exposure to ambient  
After 96hours exposure at 40±2°C, 90-95%R.H
  - 4.3.2 Insulation Resistance : Min 100MΩ, at DC 500V
  - 4.3.3 Withstanding Voltage : 1min at AC 250V

## 5. Solder Conditions :

- 5.1 Hand Solder : 3~4 sec. at 350°C
- 5.2 Wave Solder : 5 sec. at 260°C