

DATA SHEET

SUNGMUN CODE : SSIL-10-0K

DESCRIPTION : SLIDE SWITCH

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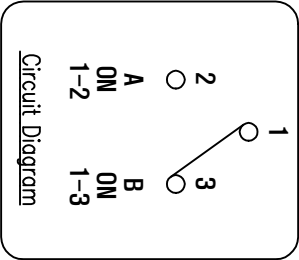
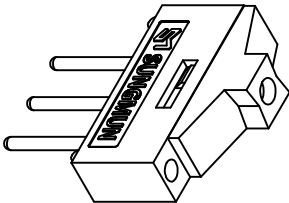
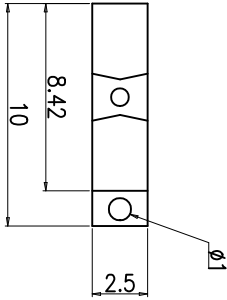
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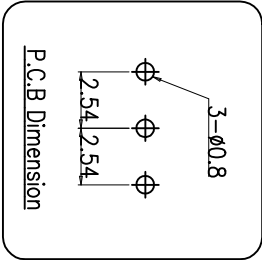
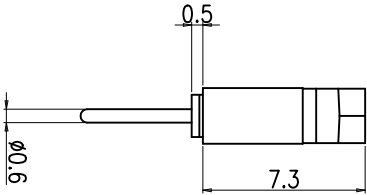
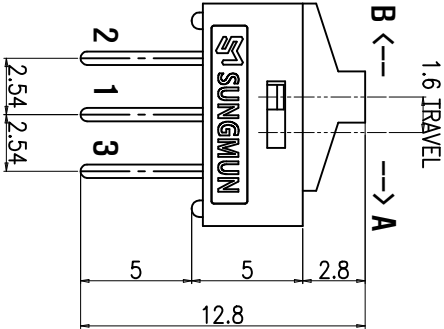
REV. NO.	DATE	REVISION	DR	CH	APP
	23.10.13	DIN ISO-2768-1m tolerance applied	H.S LEE	K.N KIM	W.J LEE

SPECIFICATION

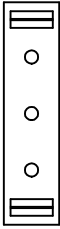
- 1. Rating : DC12V 0.5A~24V 0.3A.
- 2. Contact Resistance : 30mΩ Max.
- 3. Travel : 1.6mm.
- 4. Operating Force : 250 ± 150gf.
- 5. Life Cycle : 2,000 Cycle (with load).



Circuit Diagram



P.C.B. Dimension



DIN ISO-2768-1m				DRAW/DESIGNED	CHECKED	APPROVED	UNIT	G.TOL	TITLE	REV.
Ranges	0.5~3	3~6	6~30	30~120	120~400		mm		MINI SLIDE SWITCH	
Tolerance	± 0.1	± 0.1	± 0.2	± 0.3	± 0.5					
				K.N KIM	W.J LEE	K.I LEE			SSL-10-OK	
				2022-11-10	2022-11-10	2022-11-10			SSL-10-OK-02	02
				SUNGUMUN ELECTRONICS CO.,LTD						
							A4			

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