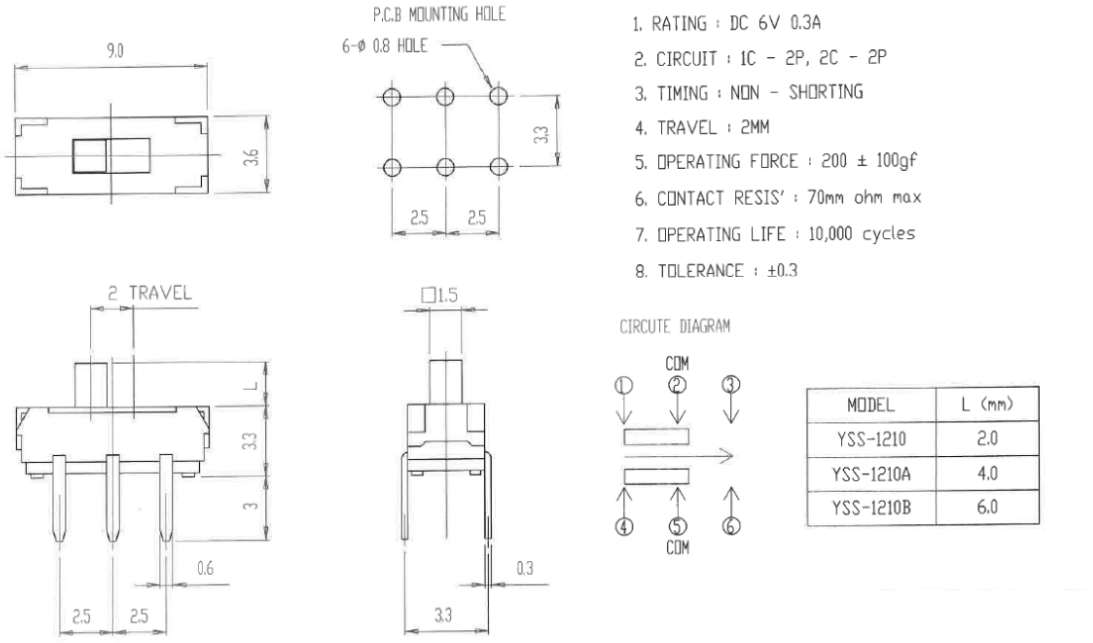
Item no.: 1570487

Data Sheet

Slide switch 6 V/DC 0.3 A 2 x off/on 1 pc.

Drawing:



Data Sheet

Technical data

1. GENERAL

1-1 Switch rating : DC 6V 0.3A Max

1-2 Operation temperature range : -10℃ ~ 60℃

1-3 Appearance and dimensions : See outside drawing page

1-4 Standard conditions : Unless otherwise specified, the test and measurements shall be carried out as follows.

Ambient temperature : 5℃ ~ 35℃

Relative humidity : 45 ~ 85% RH

Air pressure : 86 ~ 106kPa (860 ~ 1060mbar)

However, if doubt arises on the decision based in the measured values under the above-mentioned conditions, the following conditions shall be employed

Ambient temperature : 20±2℃

Relative humidity : 65±5% RH

Air pressure : 86 ~ 106kPa (860 ~ 1060mbar)

2. PERFORMANCE

2-1 Electrical characteristics

No.	ITEM	TEST CONDITIONS	PERFORMANCE
2.1.1	Contact Resistance	Applying a static load twice the actuating force to the center of the stem, measurements shall be made with a 1KHz small-current contact resistance meter.	70mΩ Max
2.1.2	Insulation Resistance	Measurements shall be made following application of DC 500V potential across rerminals and acress terminals and frame for one menute.	100MΩ Min
2.1.3	Dielectric Withstanding Votage	AC 250V(50Hz or 60Hz) shall be applied across terminals and across terminals and frame for one minute.	There shall be no breakdown

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2-2 Mechanical characteristics

No.	ITEM	TEST CONDITIONS	PERFORMANCE
2.2.1	Operation Force	Gradually imcreasing the load applied to the center of the stem, the maximum load repuired for the stem to come to a stop shall be measured.	Details are given in the assemby drawings.
2.2.2	Travel	Applying a static load twice the axtuating force to the center of the stem. The travel distance for the stem to come to a stop shall be measured.	Details are given in the assemby drawings.
2.2.3	Stop Strength	Astatic load of 1kgf shall be applied in the direction of stem operation for a period of 15seconds.	No damage (Electrical and mechanical)
2.2.4	Stem Strength	The maximum force to withstand a pull applied opposite to the direction of stem operation shall be measured.	1 kgf min
2.2.5	Terminal Strength	A force of 300gf being applied in one direction on the tip of the terminal for minute and only one time to each terminal.	The terminal may be deformed. But shall not sustain any trouble such as deviation and breaking of terminal and breaking of insulation material. Electrecal performance shall be assured.
2.2.6	Vibration Tast	1) Amplitude : 1.5㎜ 2) Sweep rate : 10-55-10㎐ for 1 minute. 3) Sweep method : Logarithmic frequency sweep rate. 4) Vibration direction : X.Y.Z (3 directions) 5) Time : Each direction 2 hours (Total 6 hours)	No 2.1 and 2.2.1 to 2.2.2 shall be satisfied
2.2.7	Soldering Heat Test	Soldering area : t/2 of P.W.B thickness (P.W.B : t = 1.6) Soldering temperature : 250±5℃ Soldering time : 5± 1sec	No damage (Electrical and mechanical)

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2-3 Climatic characteristics

No.	ITEM	TEST CONDITIONS	PERFORMANCE
2.3.1	Cold test	1) Temperature : -20±2℃ 2) Duration of test : 96 hours 3) Take off a drop water 4) Standard condition after test : 1 hour	Contact resistance : 100mΩ Max Insulation resistance : 10MΩ Min Withstanding voltage : 500V AC, 1 minute Insulation unbroken Operating force : Withen +10%,-30% of specification There shall be no defects in apperarance or in the mechanical fuction.
2.3.2	Heat test	1) Temperature : 80±2℃ 2) Duration of test : 96 hours 3) Standard condition after test : 1 hour	
2.3.3	Humidity test	1) Temperature : 40±2℃ 2) Relative humidity : 90 ~ 95% 3) Duration of test : 96 hours 4) Take off a drop water 5) Standard condition after test : 1 hour	
2.3.4	Operating life test	1) Without load 2) Operation speed : 15 ~ 20 cycles / minute 3) Depression : Twice the operating force 4) Cucles of operation : 10,000 cycles	

3. SOLDERING

3-1 Auto soldering conditions

ITEM	CONDITIONS
Preheat temperature	100℃ Max (Environmental temperature of soldering surface of P.W.B)
Preheat time	45sec Max
Area of flux	1/2 Max of P.W.B thickness
Temperature of solder	255℃ Max
Time of immersion	Within 5sec
Soldering number	Within 2times (But should bring down heat of the first soldering)
Printed wiring board	Single sided copper-clad laminates.

1) After switches were soldered, please be careful not clean switches with solvent.
2) In the case of using soldering iron, soldering conditions shall be 280℃ max and 3sec max.
3) After switches were soldered, please be careful not to load the knobs of switchs.

3-2 Manual soldering conditions

ITEM	CONDITIONS
Soldering temperature	300±5℃
Time	5sec Max.