



CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	拨动开关扛杠式/ ^{功能:} 复位与不复位
SERIES	系 列:	圆柄式
MODEL NO.	型 号:	
DRAWING NO.	图 形 号:	Slide Switch (Vertical Type)

若此产品规格符合贵司要求，敬请确认此规格书内所有项目
并签名和盖章后回传给我司，以作我司产品制作之
依据和存档之用，多谢合作！

APPROVE 接受			NOT APPROVE 不接受		
SIGNATURE 签署	STAMP 盖章	DATE 日期			

PREPARED BY.制表人	CHECKED BY.校对	APPROVED BY.审核	APPROVAL BY. 批准
<div>研发部</div> <div>戴海明</div> <div>2022. 06. 08</div>	<div>品质部</div> <div>黄自清</div> <div>2022. 06. 08</div>	<div>工程部</div> <div>庞军</div> <div>2022. 06. 08</div>	<div>总经办</div> <div>吴量</div> <div>2022. 06. 08</div>

AccountNumber : 705540238
BankName : Ci ti bankN.A. ,HongKongBranch
Country/Region: Hong Kong
BankCode: 006
BankAddress : 3GardenRoad, Central ,Hong Kong
SWIFT/BIC : CITIHKHX(CITIHKHXXXX*If11charactersare
required)
MAiL : HK@ALPSR.CN XB@ALPSR.CN
Quality core! Afterburner for Made in China!

規 格 書

SPECIFICATION

SERIES 系列: SLIDE SWITCH

MODEL NO. 型號:

1. RATING 額定值: 0.3A 50V DC

2. CIRCUIT 回路:

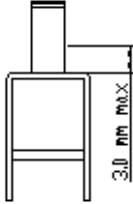
3. TIMING 切換類型: NON-SHORTING

4. STANDARD TEST TEMPERATURE SHALL BE 5°C TO 35°C AND HUMIDITY SHALL BE 45% TO 85% .

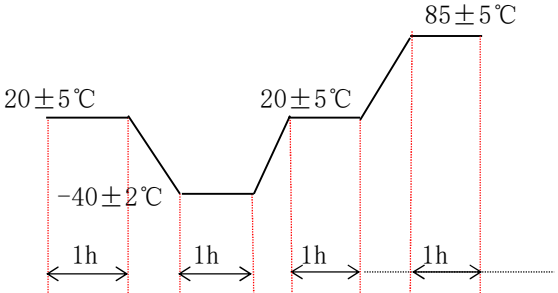
溫度 5~35℃, 濕度 45~85% 標準狀態下測試。

5. OPERATING TEMPERATURE RANGE IS -10°C TO 60°C. IT IS USUALLY APPLIED TO ELECTRONIC AND ELECTRICAL APPLIANCE PRODUCTS.

溫度 -10℃~60℃ 環境內使用。一般適用於電子、電氣方面產品使用。

ITEM 項目		TEST CONDITION 測試條件	PERFORMANCE 性能
6. ELECTRONICAL PERFORMANCE 電氣性能			
6.1	CONTACT RESISTANCE 接觸電阻	Being tested at 1 kHz small current and voltage (5~50mA,20mV) by contact resistance meter. 在 1kHz 小電流電壓 (5~50mA,20mV) 下測量。	100 mΩ Max. 100mΩ 以下。
6.2	INSULATION RESISTANCE 絕緣電阻	DC 500 V shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 DC 500 V 條件下, 持續1分鐘測量。	100MΩ min. 100兆歐 以上。
6.3	WITHSTAND VOLTAGE 耐電壓	AC 500 V and induction current 1mA shall be applied for test between terminals and between terminals and frame for one minute. 在端子之間和端子與殼之間加 AC 500 V (50Hz或60Hz) 感應電流1mA條件下, 持續1分鐘測量。	There shall be no breakdown. 無擊穿現象出現。
7. MECHANICAL PERFORMANCE 機械性能			
7.1	OPERATING FORCE 動作力	Measure at the point of 3 mm from the tip of the knob.  在距離推杆前沿 3mm 作測定點。	250±100gf
7.2	TERMINAL STRENGTH 端子強度	A static force of 3 Kgf being applied in one direction on the tip of the terminal for 1 minute. 一個 3 千克之靜負荷施加於端子頂部的一個方向持續1分鐘。	There shall be no sign of mechanical and electrical damage. 無任何跡象顯示機械及電器性能之損壞。

ITEM 項目		TEST CONDITION 測試條件	PERFORMAENCE 性能
7.3	KNOB STRENGTH 推杆強度	A static force of 3 Kgf being applied in one direction on the tip of the terminal for 1 minute. 一個 3 千克之靜負荷施加於端子頂部的一個方向持續1分鐘。	Knob can be operated normally without deformation 推杆無變形，可以正常操作。
8. DURABILITY 耐久性			
8.1	SOLDERING TEST 可焊性試驗	The tip of the terminals shall be dipped 2mm in the solder bath within temperature of 250±5℃ for 3 seconds. 端子頂部被浸入焊錫池2mm深, 溫度250±5℃, 時間3秒。	Over 75% of the immersed surface was covered by tin. 浸入的部份75%以上表面將被錫覆蓋。
		The condition mentioned is temperature for lead-free soldering . 無鉛錫測試 Alloy:Sn 96.5% Cu 3% Ag 0.5% 成份: 錫 96.5% 銅 3% 銀 0.5%	
8.2	SOLDERING RESISTANT TEST 耐焊性試驗	Soldering temperature 280±5℃,soldering time 3±0.5 seconds,immersion depth up to the surface of the board, thickness of PCB 1.6mm. 焊爐焊的溫度控制在 280±5℃，過爐焊接的時間 3±0.5秒, 於(基板)厚度為1.6mm.	Without deformation of case or excessive looseness of teminals, meet mechanical and electrical properties 本體無變形,能滿足於機械、電器性能.
		Manual soldering temperature 350±10℃, soldering time 3±0.5 seconds,however excessive pressure shall not be applied to the terminal. 手焊接的時候溫度需控制在350±10℃，時間為3±0.5秒, 但不能在端子上施加異常壓力。	
		The condition mentioned is temperature for lead-free soldering . 無鉛錫測試。 Alloy:Sn 96.5% Cu 3% Ag 0.5% 成份: 錫 96.5% 銅 3% 銀 0.5%	
8.3	LIFE TEST 壽命試驗	50,000 cycles of operation at a rate of 20-30 cycles per minute with unloading 無負載條件下，每分鐘 20-30 次的速度操作 50,000 次。	(1) Contact resistance 200mΩ max. 接觸電阻200毫歐以下 (2) Operating force 30% initial value 動作力變化範圍初始值30% (3) ITEM 項目—6.2 (4) ITEM 項目—6.3 (5) ITEM 項目—7.2

ITEM 項目		TEST CONDITION 測試條件	PERFORMAENCE 性能
8.4	HEAT RESISTANT TEST 耐熱試驗	80±2℃ for 72 hours, test after keeping in normal condition for 60 minutes. 在 80±2℃ 環境中放72小時, 再放在正常環境中60分鐘後進行測試。	(1) Contact resistance 200mΩ max. 接觸電阻200毫歐以下 (2) Insulation resistance 50 MΩ min. 絕緣電阻50兆歐以上 (3) There shall be no sign of mechanical and electrical damage. 無任何跡象顯示機械及電器性能之損壞。
8.5	MOISTURE RESISTANT TEST 耐濕試驗	60±2℃ 90-95% RH for 72 hours. test after keeping in normal condition for 60 minutes. 在 60±2℃ 90-95% RH 環境中放72小時, 再放在正常環境中60分鐘後進行測試。	
8.6	COLD RESISTANT TEST 耐冷試驗	At -30±2℃ for 96 hours, test after keeping in normal condition for 60 minutes. 在 -30±2℃ 環境中放96小時, 再置於正常環境中60分鐘後進行測試。	
8.7	TEMPERATURE CYCLING TEST 溫度交變試驗	According to following figure, after 5 cycles, test after keeping in normal condition for 60 minutes. 如圖示之環境中, 循環5次後, 再置於正常環境中, 60分鐘後進行測試。 	

9. STORAGE 儲存		
ITEM 項目	TEST CONDITION 測試條件	PERFORMANCE 性能
9.1	<p>STORAGE ENVIROMENT 儲存環境</p> <p>Under sealing pack condition,stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas,the stored time ought to be three months but within six month at most. 密封包裝狀態下，儲存溫度為≤30℃，相對溫度 75% RH;，無陽光直射，無腐蝕性氣體的環境中，儲存時間為3個月，最長不宜超過6個月。</p> <p>Without sealing pack condition,stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas,the stored time shouldn't exceed 48H 無密封包裝狀態下，儲存溫度為≤30℃，相對溫度 75% RH;，無陽光直射，無腐蝕性氣體的環境中，儲存時間最長不宜超過48小時。</p> <p>Don't excessive overlap or overstocking when keeping this goods,in case of damage. 保存時應注意物品不能過量重疊、積壓、以免損壞</p>	