1. 一般事項 General.

1.1 適用範圍: 此規範適用於電子機器之开关。

Application: This specification is applied to Switch used for electronic equipment.

- 1.2 使用溫度範圍 Operating temperature:-10~+55℃
- 1.3 試驗狀態: 若無特別規定限制,則以溫度5~35℃、相對濕度45~85%、氣壓860~1060 mbar 之標準 狀態測之。但對此標準狀態之測定值發生判定疑問或有特殊要求則以基準狀態。(溫度20±2℃、相 對濕度65±5%、氣壓860~1060 mbar)為准測定。)

Test conditions:the standard test conditions shall be $5 \sim 35^{\circ}$ in temperature, $45 \sim 85^{\circ}$ RH and $860 \sim 1060$ mbar in atmospheric, should any doubt arise in judgment, tests shall be conducted at $20 \pm 2^{\circ}$, $65 \pm 5^{\circ}$ RH and $860 \sim 1060$ mbar.

2. 構造、尺寸 Construction and dimensions: 依組立圖 Refer to attached drawing.

3. 電氣性能 Electrical characteristics

NO.	項 目 Items	試驗條件 Test condit	規 Specifi	規格 Specifications		
3.01	接觸阻抗 Contact resistance	使用1KHz±200Hz(最大20mV, 壓降法測試 Shall be measured at 1KHz 50mA)or 5V DC,1A by a vol	, Less than	不大於 50mΩ Less than 50mΩ		
3.02	開闢功率 Switch power	開關所能承受的最大電壓和電 The switch can take maxim current	125V AC 0.	125V AC 0.3A		
3.03	絕緣阻抗 Insulation resistance	施加500V 之直流電壓,測讀 測試位置:端子和軸心間。 Applying 500V DC measure Applied position:Between shaft.	100MΩ以上	100MΩ以上 (MIN)		
3.04	耐電壓 Voltage proof	施加500V 之交流電壓,測詞 測試位置:端子和外殼、端 Applying 500V AC measure Applied position:Between frame.Between terminal an	絕緣破壞 Without dama	不可有損傷、電弧、 絕緣破壞 Without damage to parts arcing or breakdown.		
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4. 機械性能 Mechanical characteristic

NO.	項目	試驗條件			格 ications	
4.01	Items 作動力 Operating force	Test conditi 旋轉速度: 30°/秒 操作位置: 軸心前端5mm處		5kgf.cm		
		Rotation speed:30°/sec. Operating position:5mm fro				
4.02	旋轉止檔強度 Rotation stopper strength		大於5kgf.c More than			
		Test duration:rotate to swi beginning and at the end.				
4.03	軸推拉強度 Push-pull strength of shaft	測試時間:使用推力10秒後立 測試點及方向:測試點為軸心 Test duration:10 sec. of pu immediately followed by 20 force should be applied.Tes direction:the strength shou the top end of the shaft in	向。 大於8kgf.c More than to			
4.04	軸心晃動 Shaft wobble	在距離軸心頂端5mm處施加與軸 Apply force perpendicular the position of 5mm to be shaft.	t L-軸心長度	0.7*L/30mm Max. L-軸心長度 L-shaft length		
4.05	軸向間隙 Shaft play in axial	沿軸心的軸向施加5kgf的拉拔 Apply 5kgf of force to the direction	0.8mm	0. 8mm		
4.06	軸套螺牙強度 Bushing nut tighting strength	軸套匹配螺母後施加扭力。 Apply torsion force for bushing matching nut		塑膠軸套: Metal bush more than Plastic bus	金屬軸套:大於7kgf.cm 塑膠軸套:大於5kgf.cm Metal bushing: more than 7 kgf.cm Plastic bushing: more than 5 kgf.cm	
4.07	端子強度 Terminal strength	靜態負荷1kgf於端子的頂端 一分鐘。測試數量為一個產 A static load of 1kgf.cm si to the tip of the terminal direction for one minute.Th tests shall be one per term	品的端子數。 hall be applie in a desired he number of	Terminal w	ithout	
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5. 耐久性 Durability

NO.	項 目 Items	試驗條件 Test condi			格 ications
5.01	使用壽命 (無負載)	10000個週期,運行期間 每分鐘9 [~] 12次。		接觸阻抗小 絕緣電阻大 耐電壓250V	於200m Ω
	Operating life under no load	10,000 cycles of operat performed continuously cycles per minute with operating life test ,sh accordance with the fol specifications	at a rate of 9~1 out load After aall be in	12 than±10% Contact re less than Insulation more than Withstand 250V AC pe Operating less than	200m Ω resistance: 50M Ω voltage: r 1 minute force:
5.02	使用壽命 (負載)	10000個週期,運行期間 每分鐘9 [~] 12次,使用AC 進行。		式 接觸阻抗小 絕緣電阻大 耐電壓2500	、於500m Ω
	Operating life under load	10,000 cycles of operat performed continuously cycles per minute with AC 125V 0.3A After oper life test ,shall be in following specification	at a rate of 9^{\sim} resistive load of rating accordance with	12 than±10% of Contact re less than the Insulation more than Withstand 250V AC pe Operating less than	500m Ω n resistance: 50M Ω voltage: er 1 minute
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6. 耐候性 Weather performance

NO.	項 目 Items	試驗條件 Test conditions	規格 Specifications		
6.01	濕度測試 Humidity test	使用溫度40±2°C, 濕度90 [~] 95%RH的測試條件 240小時後, 放置也常溫下一小時後進行測試。 Texting porentiometers being kept in the conditions at 40±2℃ and 90 [~] 95%RH for 240 hours in anormal ambient condition for an hour. then to be measured with in an hour.	通過以上的測試,該產品能 達到以下要求: 絕緣測試:DC 500V電壓, 不小於50MΩ 耐壓測試:使用AC 250V電 壓,測試一分鐘,不可有 損傷、電弧、絕緣破壞,其		
6.02	高溫測試 Heat test	使用溫度70±2°C的測試條件16小時後,放置 也常溫下一小時後進行測試。 Texting porentiometers being kept in the conditions at 70±2℃ in temoerature for 16 hours in anormal ambient condition for an hour. then to be measured with in an hour.	他規格要求變化小於±20% Through the above tests, the product can achieve: Insulation resistance: More than 50MΩ at 500V DC		
6.03	低溫測試 COld test	使用溫度-10±2°C的測試條件16小時後,放置 也常溫下一小時後進行測試。 Texting porentiometers being kept in the conditions at -10±2℃ in temoerature for 16 hours in anormal ambient condition for an hour. then to be measured with in an hour.	Withstand voltage: For 1 minute or more at 250V AC,without damage to parts arcing or breakdown. Other requirements change less than ±20%.		

7. 焊接耐熱性 Resistance to soldering heat

	7.01	Resi	耐熱性 stance to ering heat	 清漬焊錫處理 高l.清漬焊錫處理 Soldering sh following cond 預熱溫度 Preheat temperature 集錫溫度 Solder temperature 手焊溫度 Manual solder temperature 以上工程1次通 	reheat 100 ℃ 以下, 2分鐘以內。 emperature (Surface temperature of mounting side)100℃ MAX Within 2 MIN. Within 2 MIN. 焊錫溫度 260℃±5℃, 5秒以內。 older 260℃±5℃, 5秒以內。 emperature 350℃±5℃, 3秒以內。 新加山目 solder 350℃±5℃, Within 3 sec. W上工程1次通過即可。 ease use the above process only one times.				と在初期的 号子不可有 月顯鬆動。 otal is relative e before ithout ooseness of nd failure	
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