



CHI FUNG ELECTRONICS CO., LTD.

志丰电子有限公司

SPECIFICATION 规格书		规格书编号	
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WRITTEN 制定	APP'D 审批		
MODEL SERIES NAME 系列名称:		HORIZONTAL KNOB SLIDE SWITCH	
MODEL NO 产品型号:		SSH-12D01	
1.RATING 额定值:		DC 30V 0.5A	
2.FUNCTION 接触型式:		1P2T	
3.TIMING 时间特性:		NON-SHORTING	
4.ELECTRICAL CHARACTERISTICS 电气性能规格:			
ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现	
4.1	CONTACT RESISTANCE 接触电阻 MEASURED AT SMALL CURRENT (100mA OR LESS) 1000Hz 在微小电流(100mA)以下测试.	80mΩ Max 80毫欧以下	
4.2	INSULATION RESISTANCE 绝缘电阻 APPLY A VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MIN AFTER WHICH MEASUREMENT BE MADE: (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入 500V DC电压1分钟, 按以下接触方法测试: (1)排脚之间. (2)排脚与外壳之间.	250MΩ MIN. 250兆欧以上	
4.3	DIELECTRIC STRENGTH 耐电压 AC 500V rms(50~60Hz)FOR 1 MIN TRIP CURRENT:0.5 mA (1)BETWEEN TERMINALS. (2)BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入AC 500V (50~60Hz) 电压,1分钟感应电流为0.5mA.按以下接触方法测试: (1)排脚相互之间. (2)排脚与外壳之间.	NO DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. 没有绝缘破坏等异常.	
5	PRACTICAL TEMPERATURE RANGE 使用温度范围 -16℃~+60℃ 在-16℃~+60℃ 温度内使用		



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6	STANDARD ATMOSPHEIC CONDITIONS 测试标准状态 NORMALLY, THE STANDARD RANGE OF ATMOSPHERIC CONDITION FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1)AMBIENT TEMPERATURE:5°C TO 35°C (2)RELATIVE HUMIDITY:45% TO 85% (3)AIR PRESSURE:86Kpa TO 106Kpa 在没有指定的情况下测试温度,湿度,气压如下: (1)温度为5°C~35°C (2)湿度为45%~85% (3)气压为86Kpa~106Kpa		
7.MECHANICAL CHARACTERISTICS 机械性能规格:			
ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 表现	
7.1	OPERATING FORCE 作动力 MEASUREMENT SHALL BE MADE AT THE NEAREST POINT OF THE COMPONENT OR AT THE POINT 3mm FROM THE TIP ON THE ACTUATOR (KNOB). 在距离胶柄前端3mm作测定点.	250gf±100gf	
7.2	TERMINAL STRENGTH 端子强度 A STATIC LOAD OF 300gf SHALL BE APPLIED TO THE TERMINAL FOR 15 SEC. IN ANY DIRECTION. 在排脚前端任意一个方向加300gf力度测试,时间为15秒.	ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF TERMINALS. 在排脚中没有裂开,松动等异常,满足于机械,电器性能.	
7.3	DISPLACEMENT OF ACTUATOR (KNOB) 柄强度 A STATIC LOAD OF 10 N (1Kgf) SHALL BE APPLIED TO THE TOP OF THE ACTUATOR (KNOB) AND THEN DISPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW. 在柄的前端施加1Kgf的力度,移位应沿印记的方向上定.	THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY WORK. 柄部无严重变形,可以正常工作.	
7.4	LIFE TEST 寿命测试 1.ENDURANCE WITHOUT LOADING: A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 25 TO 30 CYCLES PER MINUTE WITHOUT LOADING. 无负荷: 在无负荷的条件下以分钟25~30回的速度进行10,000次的测试. 2.ENDURANCE WITH LOADING: A SWITCH SHALL BE SUBJECTED TO 5,000 CYCLES AT A SPEED OF 25 TO 30 CYCLES PER MINUTE WITH LOADING. 负荷: 在负荷的条件下以分钟25~30回的速度进行5,000次的测试.	AFTER TESTING :(测试后) (1)CONTACT RESISTANCE 100m Ω MAX. 接触电阻为100毫欧以下. (2)INSULATION RESISTANCE 100M Ω MIN. 绝缘电阻为100兆欧以上. (3) WITHSTAND VOLTAGE AC 500V,1 MINUTE. 耐电压 AC 500V 1分钟. (4)OPERATING FORCE ±30% INITIAL VALUE. 作动力变化范围初始值±30%. (5)WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. 测试后外表无损伤,并且满足机械性能.	

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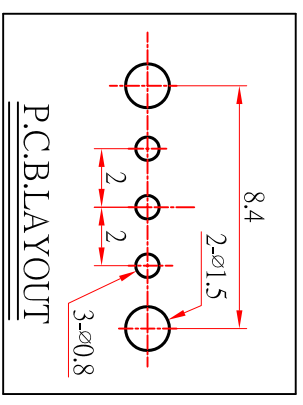
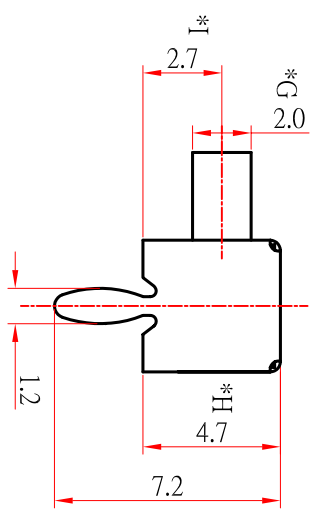
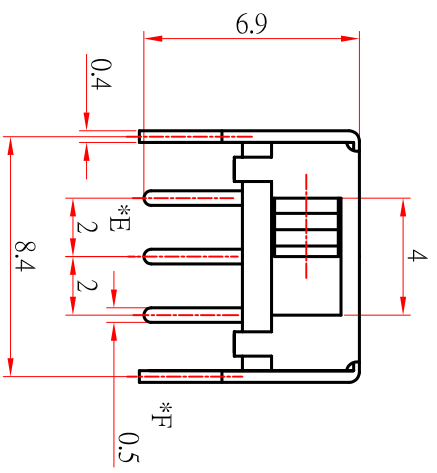
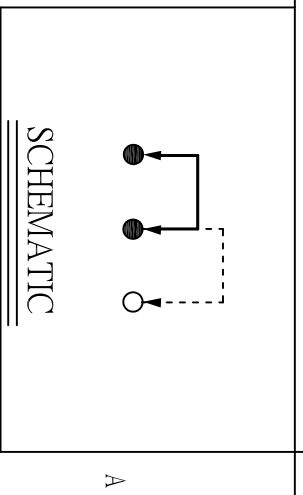
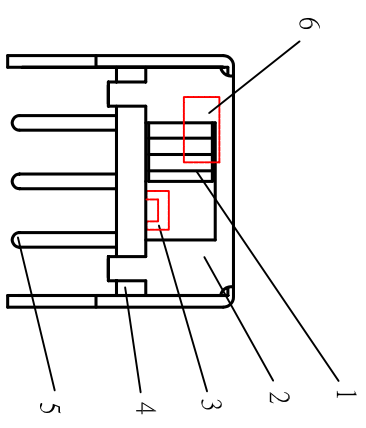
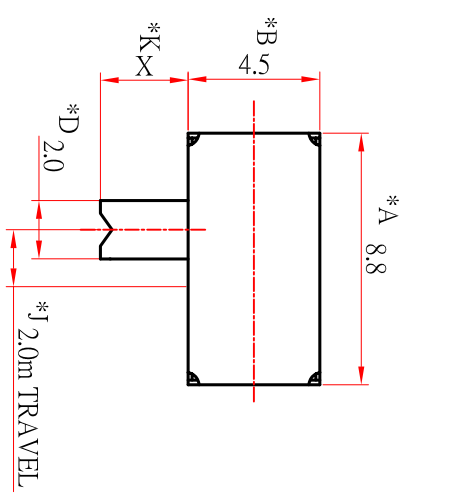
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8. DURABILITY 耐久性:

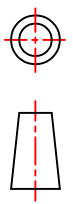
ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 表现
8.1	SOLDERABILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5°C FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中2mm深,温度为230±5°C,时间为3±0.5秒.	AREA OF SOLDERING NEED BE SMOOTH AND GOOD PERFORMANCE. 焊锡部分粘锡均匀,饱满,锡面平滑.
8.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	SOLDER BATH METHOD: SOLDER TEMPERATURE 260±5°C, IMMERSION TIME 3±0.5 SEC, IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6 mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE THE SPECIFICATION. 焊炉焊接的时候温度控制在 260±5°C,过炉时间3±0.5秒,于(基板)厚度应1.6mm.	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形,能满足于机械,电器性能.
8.3	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2°C FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在85±2°C中测试48小时后,再放置正常室温中1小时来测定.	
8.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -20±3°C FOR 48 HOURS, THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度-20±3°C中48小时后,再放置常温中1小时来进行测试.	
8.5	HUMIDITY TEST 潮湿试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2°C AND A HUMIDITY OF 90% TO 95% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERE CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置40±2°C试验的相对湿度为90%~95%环境中96小时后,再将样板放在正常环境1小时后进行测试.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常,满足于机械,电器性能.



* CRITICAL DIMENSION

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SERIES : SLIDE SWITCH	DRAWING NO.: CF-ENL-SSH4010-2
PART NAME:SSH-12D01-VGX-H	GENERAL TOLERANCE
UNIT : M/M	WITHIN 0.XXmm±0.15mm
SCALE : 4:1	OVER 0.Xmm±0.25mm
REV : A/0	APPD.



NO.	PART NAME	MATERIAL	QTY	FINISHING
1	SPRING PLATE	SUS	1	NATURAL
2	TERMINAL	BRASS	3	Ag COATING
3	BASE	PHENOLIC RESIN	1	YELLOW
4	CONTACT	C9210R-EH	1	Ag COATING
1	FRAME	SPN STRIP	1	Ni COATING
1	KNOB	POM	1	BLACK