



规格书

SPECIFICATION

CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	大电流功率拨动开关
MODEL NO.	型 号:	XB-SS-23H21-SMT
DRAWING NO.	图 形 号:	High power Slide Switch

If specification of this product meets your request, please confirm all the items of it and return to us with signature and stamp, it will be basis of our production and record. Thanks your cooperation in advance!

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！

EXAMINE & APPROVAL 审批

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
研发部 戴海明 2022. 06. 08	品质部 黄自清 2022. 06. 08	工程部 庞军 2022. 06. 08	总经办 吴量 2022. 06. 08

东莞市溪榜电子有限公司

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Quality core! Afterburner for Made in China!



MODEL NO: XB-SS-23H21-SMT 高温

产品名称: 大电流开关 High power Slide Switch

DRAWN 制订

吴工

APPD. 审核

庞军

1、RATING (额定值) : 3A 250V AC/6A 125V AC

2、FUNCTION (接触型式) : 2P3T

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 规格
4.1	CONTACT RESISTANCE 接触电阻	MEASURED AT SMALL CURRENT(100mA OR LESS) 在微小电流(100mA)以下, 拨动三次后测试.	100mΩ MAX. 100 毫欧以下.
4.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 500V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE. (1) BETWEEN BODY AND TERMINAL. (2) BETWEEN TERMINALS. 输入 500V DC 电压 1 分钟, 按以下接触方法测试: (1) 外壳与排脚之间. (2) 端子之间.	100MΩ MIN. 100 兆欧以上.
4.3	DIELECTRIC STRENGTH 耐电压	AC500V(50-60Hz)FOR 1 MIN TRIP CURRENT:0.5mA BETWEEN TERMINALS. BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入 AC 500V(50-60Hz) 电压, 1 分钟感度电流为 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.	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC 没有绝缘破坏等异常

5、MECHANICAL CHARACTERISTICS (机械性能规格)

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
5.1	OPERATING FORCE 作动力	MEASUREMENT SHALL BE MADE AT THE NEAREST POINT OF THE COMPONENT OR AT THE POINT 3mm FROM THE TIP OF THE ACTUATOR(KNOB) 在距离胶柄 3mm 作测定点, 拨动三次后测试.	400gf±150gf
5.2	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.	MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT LOOSENESS OF ACTUATOR. 在端子中没有裂开, 松动等异常, 满足于机械、电器性能.
5.3	DISPLACEMENT OF ACTUATOR (KNOB) 胶柄强度	A STATIC LOAD OF 10N(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, 位移应沿印记的方向上定.	THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY. 柄部无严重变形, 可以正常工作



6、ENDURANCE CHARACTERISTICS (耐久性) :

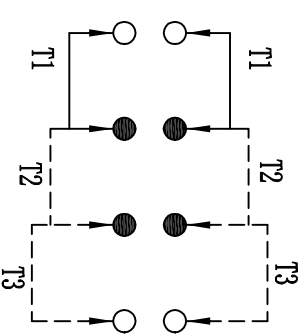
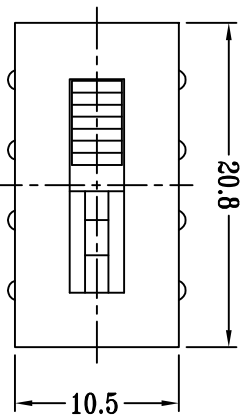
ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
6.1	LIFE TEST 寿命试验	ENDURANCE WITHOUT LOADING: A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES PER MINUTE WITHOUT LOADING. 无负荷: 在无负荷的条件下以每分钟 15—18 回的速度进行 10,000 次的测试。	(1) CONTACT RESISTANCE(接触电阻) 200mΩ MAX. 200 毫欧以下. (2) INSULATION RESISTANCE(绝缘电阻) 50MΩ MIN. 50 兆欧以上.. (3) WITHSTAND VOLTAGE(耐电压) AC 500V, 1 MINUTE. AC 500V 1 分钟 (4) OPERATING FORCE(作动力) ±30%INITIAL VALUE. 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)
6.2	SOLDERABILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 240±5℃ FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中 2mm 深, 温度为 240±5℃, 时间为 3±0.5 秒。	(1) SOLDER WELTING TIME SHALL BE 3 SEC OR LESS. 焊接时间少于 3 秒 (2) THE AREA OF SOLDERING SHOULD BE OVER 95% 焊接面积要有 95%以上。
6.3	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	OLDER BATH METHOD: SOLDER TEMPERATURE 260±5℃ IMMERSION TIME 3±0.5 SEC IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD 1.6mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE WITH THOSE SPECIFIED IN THE SPECIFICATION. 焊炉焊接的时候温度控制在 260±5℃, 过炉时间为 3±0.5 秒, 于基板厚度为 1.6mm SOLDERING IRON METHOD: BIT TEMPERATURE 350±10℃ APPLICATION TIME OF SOLDERING IRON 3±0.5 SEC HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL. 手焊接的时候温度控制在 350±10℃, 时间为 3±0.5 秒, 但不能在排脚上施加异常压力	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形, 能满足于机械、电气性能。
6.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3℃ FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 -25±3℃ 中 48 小时后, 再放置常温中 1 小时来进行测试。	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常, 满足于机械、电气性能



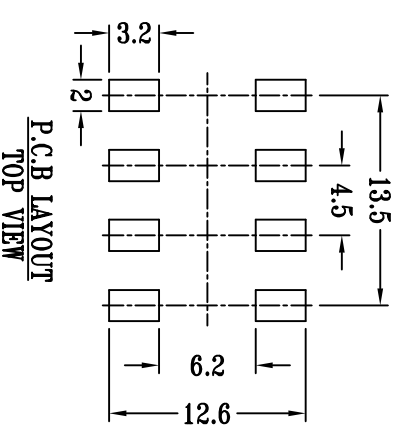
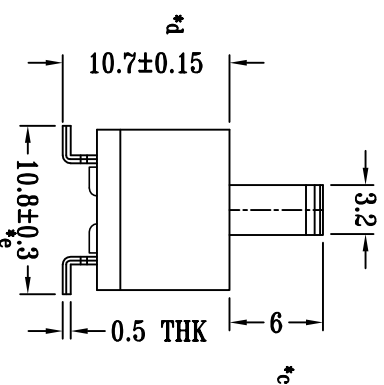
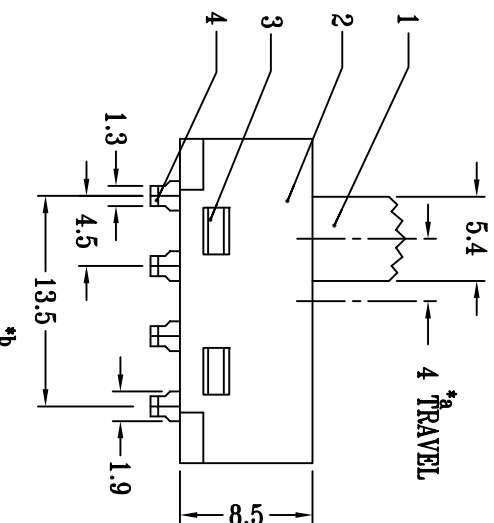
6.5	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $70\pm 2^{\circ}\text{C}$ FOR 48 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 $70\pm 2^{\circ}\text{C}$ 中测试 48 小时后, 再放置正常室温中 1 小时来测定.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. 外观无异常, 满足于机械、电器性能.
6.6	HUMIDITY TEST 潮湿试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ AND A HUMIDITY OF 90% TO 95% FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置 $40\pm 2^{\circ}\text{C}$ 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.	
6.7	STANDARD ATMOSPHERE CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERE CONDITIONS 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.	
6.8	PRACTICAL TEMPERATURE RANGE 使用温度范围	AT -16°C — $+60^{\circ}\text{C}$. 在 -16°C — $+60^{\circ}\text{C}$ 内使用.	



CAD FILE:



SCHEMATIC (NON-SHORTING)



注：“*”表示关键5个质量特性

8				TOLERANCE							
7	STEEL BALL	STEEL	1	NATURAL	UNLESS SPECIFIED						
6	SPRING	STEEL WIRE	5	NATURAL	WITHIN 1.5mm : ±0.1mm		A	2020-09-04	初 版		曾 鹏
5	CONTACT	BRASS STRIP	2	Ag PLATED	OVER 1.5mm : ±0.2mm		ISSUE	DATE	DESCRIPTIONS OF REVISION		APPD.
4	TERMINAL	BRASS STRIP	8	Ag PLATED	TITLE : VERTICAL SLIDE SWITCH		UNIT : mm		DRWG NO.: XB-SS-23H21-SMT		
3	BASE	PPA+94V0	1	BLACK	MODEL: XB-SS-23H21-SMT		SCALE: 2:1		DWN.		刘锦泳
2	FRAME	PPA+94V0	1	BLACK							2020-10-21
1	KNOB	PPA+94V0	1	BLACK					CHK'D		曾小伟
	PARTS	MATERIALS	q'ty	FINISH					APPD.		曾 鹏
											2020-10-21