



CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	迷你型滑动开关
MODEL NO.	型 号:	XB-MSK-008-N
DRAWING NO.	图 形 号:	Mini Slide Switch

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
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Quality core! Afterburner for Made in China!

**东莞市溪榜电子有限公司**

DONG GUAN XI BANG ELECTRONICS CO., LTD.

文件编号

XB-SP-1001

发布日期

2010 年 03 月 15 日**SPECIFICATION 规格书**

第 A 版

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TITLE (产品系列): 3.5(H)mm, 2mm-TRAVEL MINI SLIDE SWITCHES**MODEL NO. (产品名称): XB-MSK-008N****P/N (产品编号):****1. RATING (额定值): DC 6V 0.3A****2. FUNCTION (接触型式): 1 POLES, 3 THROWS****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	INITIAL CONTACT RESISTANCE 初始接触电阻	1000Hz MEASURED AT SMALL CURRENT (100 mA OR LESS) 在微小电流 (100mA) 以下测试.		70mΩ MAX. 70 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 CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT 输入 500V DC 电压 1 分钟, 按以下接触方法测试: (1) 接触端子之间. (2) 插座体与排脚之间.		100MΩ MIN. 100 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 分钟感度电流为 0.5 mA, 按以下接触方法测试: (1) 接触端子之间. (2) 插座体与端子之间.		WITHOUT DAMAGE SUCH AS INSULATION BREAKDOWN. 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 WITH DETENT 作动力			250gf ± 100gf	
5.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF (300gf) SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN. IN ANY DIRECTION. 在任意一个方向的先端上加力度 (300gf) 1 分钟.		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.	
5.3	STANDARD ATMOSPHERIC CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC 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 : 80Kpa 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 5~35°C (2) 湿度为 45%~85% (3) 气压为 80Kpa~106Kpa			



5.4

PRACTICAL
TEMPERATURE
RANGE
使用温度范围

-10℃~+60℃
在-10℃~+60℃温度内使用

6. ENDURANCE CHARACTERISTICS (耐久性):

ITEM 项目

TEST CONDITIONS 测试条件

PERFORMANCE 规格

6.1

SOLDERABILITY TEST
可焊性试验

THE TOP OF THE TERMINALS SHALL BE
DIPPED 2mm IN THE SOLDER BATH OF
230±5℃ FOR 3±0.5 SECONDS.
端子顶部被浸入锡焊池中 2mm 深, 温度
为 230±5℃, 时间为 3±0.5 秒.

THE AREA OF SOLDERING
SHOULD BE OVER 75%
焊接面积要有 75%以上.

6.2

RESISTANCE
TO
SOLDERING
HEAT TEST
耐焊性试验

SOLDER BATH METHOD:
SOLDER TEMPERATURE 260±5℃IMMERSION
TIME 3±0.5 SEC IMMERSION DEPTH UP
TO THE SURFACE OF THE BOARD THICKNESS
OF PRINTED WIRING BOARD 1 mm DIMENSIONS
OF COMPONENT HOLES IN THE PRINTED WIRING
BOARD SHALL BEING ACCORDANCE WITH
THOSE SPECIFIED IN THIS 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 1.0mm

THERE SHALL BE NO DEFORMATION OF
THE SWITCH. MECHANICAL AND ELECTRICAL
CHARACTERISTICS SHALL BE
SATISFIED.
本体无变形, 满足于机械、电气性能。

6.3

LIFE TEST
寿命试验

WITHOUT LOAD:
AN ACTUATOR SHALL BE SUBJECT TO 10,000
CYCLES AT A SPEED OF 15 TO 18 CYCLES
FOR 1 MIN.
无负荷:
操作者以每分钟 15~18 次的频率作 10,000 回之无
负荷测试.

(1) CONTACT RESISTANCE SHALL BE
130 mΩ MAX.
(2) MECHANICAL AND ELECTRICAL
CHARACTERISTICS SHALL BE
SATISFIED.
(1) 接触电阻不能超于 130 mΩ
(2) 其它、满足于机械、电器性能



SPECIFICATION 规格书

第 A 版

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6.4	COLD TEST 耐冷试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-20\pm 3^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 $-25\pm 3^{\circ}\text{C}$ 中 96 小时后,再放置常温常湿中 1 小时来测定。	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外观无异常, 满足于机械, 电器性能。
6.5	HEAT TEST 耐热试验	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $80\pm 2^{\circ}\text{C}$ FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 $85\pm 2^{\circ}\text{C}$ 中测试 96 小时后,再放置正常室温中 1 小时来测定。	
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, 再将样版放在正常环境 1 小时后进行测试。	