

SHENZHEN XIEJIA ELECTRONICS CO., LTD. 深圳市协佳电子有限公司		文件编号	XJ-SP-4037
SPECIFICATION 规格书		发布日期	2004年5月12日
		第A版	第1页共3页
MODEL NO. 产品名称 . PB-11D14			
DRAWN 制订		APPD. 审批	
1. RATING (额定值) : DC 30V 1A			
2. FUNCTION (接触型式) : 1P4T			
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 1KHz SMALL CURRENT(100mA OR LESS) 在1KHz微小电流(100mA以下)测试.	1000mΩ MAX. 1000毫欧以下.
4.2	INSULATION RESISTANCE 绝缘电阻	A VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MIN. AFTER WHICH MEASUREMENT SHALL 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) 接触端子之间. (2) 胶座体与端子之间.	100MΩ MIN. 100兆欧以上.
4.3	DIELECTRIC STRENGTH 耐电压	AC 500V (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0.5mA,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 作动力	PLACE THE SWITCH VERTICALLY TO THE OPERATION DIRECTION,IMPRESS FORCE TO THE CENTRE OF KNOB AND TEST THE MAXIMUM FORCE OF ONSTATE. 开关垂直于操作方向放置,在推杆中心逐渐施力,测量开关通 通所需的最大力度.	750gf±300gf
5.2	TERMINAL STRENGTH 端子强度	A STATIC FORCE OF 500gf BEING APPLIED IN ONE DIRECTION ON THE TIP OF THE TERMINAL FOR 1 MINUTE. 一个500gf之静负荷施加于端子顶部的一个方向 持续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	

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5.4	PRACTICAL TEMPERATURE RANGE 使用温度范围	-16°C~+60°C 在-16°C~+60°C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°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.	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	(1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间		
			TEMPERATURE 温度 (°C)	TIME 时间 (s)
		DIP SOLDERING 浸锡	260±5	3±1
		MANUAL SOLDERING 手焊	360±10	3±1
		(2). IMMERSION DEPTH: IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm 浸锡深度: 浸锡深度至基板 (PCB) 表面, 基板厚度为 1.6mm.	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 50,000 CYCLES AT A SPEED OF 30~60 CYCLES FOR 1 MIN. 无负荷: 操作者以每分钟 30~60 次的频率作 50,000 回之无负荷测试.	(1) CONTACT RESISTANCE SHALL BE 1500mΩ MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接触电阻不能超 1500mΩ (2) 其它、满足于机械、电器性能	

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6.4	COLD TEST 耐冷试验	<p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $-25\pm 3^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOURS AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>放置在温度$-20\pm 3^{\circ}\text{C}$中96小时后,再放置常温常湿中1小时来测定。</p>	<p>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。</p>
6.5	HEAT TEST 耐热试验	<p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF $85\pm 2^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOURS AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>放置在温度$80\pm 2^{\circ}\text{C}$中测试96小时后,再放置正常室温中1小时来测定。</p>	
6.6	HUMIDITY TEST 潮湿试验	<p>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 HOURS AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>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。</p>	