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| SHENZHEN XIEJIA ELECTRONICS CO.,LTD. 深圳市协佳电子有限公司 | | 文件编号 | XJ-SP-4002 |
| SPECIFICATION 规格书 | | 发布日期 | 2007年12月9日 |
| | | 第B版 | 第1页共3页 |
| MODEL NO. 产品名称 . PB-22E08 PB-22E18 | | | |
| DRAWN 制订 | | APPD. 审批 | |
| 1. RATING (额定值) : DC 30V 0.1A | | | |
| 2. FUNCTION (接触型式) : 2P2T | | | |
| 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(100 mA OR LESS) 在1KHz 微小电流(100mA 以下)测试. | 50mΩ MAX. 50 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 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 0.5mA,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 | | 见第三页 |
| 5.2 | TERMINAL STRENGTH 端子强度 | A STATIC LOAD OF (300 gf) 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(300 gf)1 分钟. | MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE 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 | 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℃ TO 35℃ (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℃ (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 | <p>(1). TEMPERATURE AND IMMERSING TIME 温度及浸锡时间</p> <table border="1"> <thead> <tr> <th></th> <th>TEMPERATURE 温度 (°C)</th> <th>TIME 时间 (s)</th> </tr> </thead> <tbody> <tr> <td>DIP SOLDERING 浸锡</td> <td>260±5</td> <td>3±1</td> </tr> <tr> <td>MANUAL SOLDERING 手焊</td> <td>360±10</td> <td>3±1</td> </tr> </tbody> </table> <p>(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.</p> | | TEMPERATURE 温度 (°C) | TIME 时间 (s) | DIP SOLDERING 浸锡 | 260±5 | 3±1 | MANUAL SOLDERING 手焊 | 360±10 | 3±1 | 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. |
| | TEMPERATURE 温度 (°C) | TIME 时间 (s) | | | | | | | | | | |
| DIP SOLDERING 浸锡 | 260±5 | 3±1 | | | | | | | | | | |
| MANUAL SOLDERING 手焊 | 360±10 | 3±1 | | | | | | | | | | |
| 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 100mΩ MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接触电阻不能超于 100mΩ (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 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>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。</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 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.</p> <p>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。</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 HOUR 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> | |

| OPERATING FORCE |
|-----------------|
| 120gf±30gf |
| 200gf±100gf |
| 300gf±100gf |
| 400gf±100gf |
| 550gf±150gf |