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| SHENZHEN XIEJIA ELECTRONICS CO.,LTD. 深圳市协佳电子有限公司 | | 文件编号 发布日期 | XJ- SP - 2404 2003年1月17日 |
| SPECIFICATION 规格书 | | 第 A 版 | 第 1 页 共 3 页 |
| MODEL NO. 产品名称 AS-209 | | | |
| DRAWN 制订 | | APVD. 审批 | |
| 1. Temperature range : 1.1 Applicable Temperature range: -20°C~ 70°C | | 1. 温度范围: 1.1 适用的温度范围: -20°C~ 70°C | |
| 2. Appearance, Structure and Dimension: 2.1 Appearance: There should not be any existing rust, crack and bad plating. | | 2. 外观、结构和尺寸: 2.1 外观: 没有任何生锈, 裂痕及电镀不良影响功能。 | |
| 2.2 Structure and Dimension: Reference per attached outline drawing. | | 2.2 结构和尺寸: 参照有关外形图。 | |
| 3. Rating: <u>AC 125 V 7A / 250V 3.5A (SOCKET)</u> <u>DC12V 1A (SWITCH)</u> | | 3. 额定值: <u>AC 125 V 7A / 250V 3.5A (插座)</u> <u>DC12V 1A (开关)</u> | |
| 4. Electrical performance 电气性能 | | | |
| Item 项目 | Test conditions 试验条件 | | Requirements 规格 |
| 4.1 CONTACT RESISTANCE 接触电阻 | Being measured at close circuit. 在闭路状态下测量。 | | 30mΩ MAX. 30 毫欧以下。 |
| 4.2 INSULATION RESISTANCE 绝缘电阻 | Measure the insulation resistance between any parts of the socket by 500V megger. 用 500V 摇表测量插座任意两个部件之间的绝缘电阻。 | | 100MΩ MIN. 100 兆欧以上。 |
| 4.3 WITHSTAND VOLTAGE 耐电压 | AC 2,000V(50~60Hz) for one minute; 施加 AC 2,000V(50~60Hz)负载持续 1 分钟。 | | shall be free from dielectric breakage. 无击穿现象出现。 |
| 5. Mechanical Performance 机械性能 | | | |
| 5.1 INSERTION FORCE 插入力度 | | | IN: 1500~3500gf 插入力: 1500~3500gf |
| 5.2 WITHDRAWAL FORCE 拔出力度 | | | OUT: 1200~3000gf 拔出力: 1200~3000gf |
| 6. DURABILITY 耐久性 | | | |
| 6.1 LIFE TEST 寿命试验 | Insertion and extraction shall be made with the mating plug for 5,000 cycles at a speed of 15~20 cycles per minute with a load of AC 125 V 6A or 250V 3A. 在 AC 125 V 6A 或 250V 3A 载荷条件下(用匹配插头)以每分钟 15~20 次的速度进行 5,000 次插入、拔出。 | | (1) Contact resistance: 1000mΩ MAX. 接触电阻:1000 毫欧以下。 (2) Withstand voltage: AC 2000V for 1 minute. AC 2000V 1 分钟 |

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| | | | (2) Change of operating force: 操作力变化: |
| 6.2 | COLD AND HEAT TEST 冷热试验 | The socket was placed in the hot and cold chamber with the temperature of 60 ~ -10°C respectively and duration of one hour alternatively and 15 minute break each , after 6 hours of this testing, the socket was placed in room condition with a period of one hour. It fulfilled with item 4.1,4.2 and 4.3. 将插座分别交替置于温度为 60 ~ -10°C的温室和冷室内 1 个小时, 每次交替中间暂停 15 分钟。在此试验进行 6 小时后, 将插座置于常温条件下 1 小时, 再进行 4.1,4.2 和 4.3 项的电气性能试验。 | Without harmful damage in appearance, mechanical & electrical characteristics shall be satisfied. 外表未被破坏, 机械及电气性能可被满足。 |
| 6.3 | HUMIDITY TEST 潮湿试验 | The socket was placed in the humidity chamber at temperature of 40°C and relative humidity at 93% for a period of 96 Hrs. Then it returned and allowed to remain at room condition for a period of 30 minutes, and blew off any water drops on the surface of the jack by air. It performed satisfactory per item 4.1,4.2 and 4.3. 将插座置于温度为 40°C, 相对湿度为 93%的潮湿室内 96 小时, 然后取出, 允许保存在室温条件下 30 分钟,再用风吹干插座表面的水珠。电气性能正常,满足 4.1,4.2 和 4.3 项的要求。 | |
| 6.4 | ENDURANCE TEST 耐久性试验 | The socket was put in the hot chamber in plug-in condition at 60°C for a period of 48 hours. Then it returned & remained at room conditions for another two weeks. The contact ability of the socket was checked immediately when the plug was pulled out. It performed properly w/o any time-delay-contact. 将插有插头的插座置于 60°C的温室内 48 小时, 然后取出置于室温条件下两周。拔出插头后立即对插座的接触能力进行检查, 插座应工作正常无任何延时接触。 | |
| 6.5 | TEMPERATURE TEST 温升试验 | 用长度为 1m,铜钱横截面积为 1mm ² 的聚氯乙烯软线连接到适配的插头(连接器)上,再插入插座内,然后通以 1.25 倍的额定电流 1 小时。 | 端子的温升不可超过 45°C |

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| 6.6 | STANDARD ATMOSPHERIC CONDITIONS 测试标准状态 | <p>Unless otherwise specified. The standard range of atmospheric conditions for making measurements and tests are as follows:</p> <p>(1) ambient temperature : 5°C TO 35°C (2) relative humidity : 45% TO 85% (3) air pressure : 86KPa TO 106KPa</p> <p>在没有指定的情况下测试温度、湿度、气压如下:</p> <p>(1) 温度为 5~35°C. (2) 湿度为 45%~85%. (3) 气压为 86KPa~106KPa.</p> | |
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