

| | | | | |
|----|------|----|--------|-------|
| E | 弹片 | 1 | 不锈钢 | 灰色 |
| D | 接触簧片 | 1 | 铍青铜 | 银白色 |
| C | 盖子 | 1 | 黄铜 | 银白色 |
| B | 底座 | 1 | 进口增强尼龙 | 黑色与镀银 |
| A | 推柄 | 1 | 进口增强尼龙 | 黑色 |
| 序号 | 名称 | 数量 | 材料 | 镀涂颜色 |



设计: 黄彬
 审核: 张伟
 批准: 罗小春

HX MSS12C02-HB2.0

深圳市韩下电子有限公司

| 项目 | 规格 |
|--------|----------------------------------|
| 额定电负荷: | DC12V 0.1A |
| 绝缘电阻: | $\geq 100M\Omega$ |
| 耐压强度: | AC250V (50Hz) 1min |
| 环境温度: | $-25^{\circ}C \sim +70^{\circ}C$ |
| 相对湿度: | $(40^{\circ}C) \leq 95\%$ |
| 接触电阻: | $\leq 50M\Omega$ |
| 动作力: | 130gf \pm 50gf |
| 耐温: | 250° |
| 寿命: | 10000次 |



深圳市韩下电子有限公司

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Tel: 0755-33819206 Fax: 0755-27597491

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

拨动开关

规格型号 Part No:

HX MSS12C02-HB2.0

贵公司承认印 Approval signatures

| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
| | |

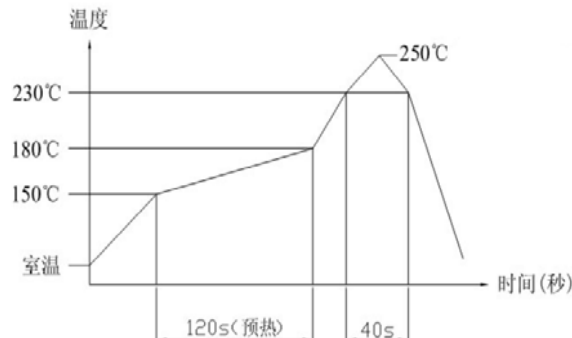
日期 Date:

| | | |
|-------------|-----|--|
| 拟制/Drawn | 黄 彬 |  |
| 审核/Check | 张 伟 | |
| 批准/Approved | 罗小春 | |



SPECIFICATION 规格书

| | | | |
|---|---|--|--|
| 1: GENERAL SPECIFICATION 基本事项 | | | |
| 1.1 | RATING (额定值): DC 12V 0.1A | | |
| 1.2 | PRACTICAL TEMPERATURE RANGE: -25°C~+70°C 使用温度范围: 在-25°C~+70°C温 . 内使用. | | |
| 1.3 | STANDARD ATMOSPHERIC CONDITIONS : 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 : 86Kpa TO 106Kpa. 测试标准状态: 在沒有指定的情況下测试温度, 湿度, 气压如下: (1)温度为5~35°C; (2)湿度为45~85%; (3) 气压为86Kpa~106Kpa. | | |
| 2. ELECTRICAL CHARACTERISTICS (电气性能规格): | | | |
| | ITEM 项目 | TEST CONDITIONS 测试条件 | PERFORMANCE (DATA) 规格(数据) |
| 2.1 | 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. | 100mΩ MAX. 100毫欧以下 |
| 2.2 | INSULATION RESISTANCE 绝缘电阻 | APPLY A VOLTAGE OF 500V DC FOR 1 MIN. THE FOLLOWING CONTACT TEST METHOD: (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) 胶座体和排脚之间. | 100MΩ MIN. 100兆欧以上. |
| 2.3 | ELECTRIC STRENGTH 耐电压 | AC 250V (50-60Hz) FOR 1 MIN TRIP CURRENT: 0.5mA THE FOLLOWING CONTACT TEST METHOD: (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME. 输入AC250V (50-60Hz) 电压, 1分钟感度电流为0.5mA, 接触测试方法如下: (1) 接触端子之间. (2) 外壳体和排脚之间. | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC. 沒有绝缘破坏等异常 |
| 3. MECHANICAL CHARACTERISTICS (机械性能规格): | | | |
| | ITEM 项目 | TEST CONDITIONS 测试条件 | PERFORMANCE (DATA) 规格(数据) |
| 3.1 | OPERATION FORCE 动作力 | LATERAL PUSH (侧向推动) | PUSH FORCE (推动力度) : 130gf ± 50gf |
| 3.2 | TRAVEL TO CLOSURE 动作行程 | IN THE HORIZONTAL DIRECTION SWITCH HANDLE OPERATION, WITH AN EQUAL TO 2 TIMES THE THRUST OF THE SWITCH FROM ONE POSITION TO THE NEXT GEAR, MOVING DISTANCE MEASURING HANDLE. 在开关推柄运行的水平方向, 以一个等于2倍推力使开关从一个档位运动到下一档位, 测量推柄的移动距离. | 1.5mm ± 0.15mm |
| 3.3 | STEM STRENGTH 操作部 (柄) 强度 | AND ALONG THE RUNNING DIRECTION AT APEX HANDLE (500gf) ON THE STRENGTH TEST, TIME IS 30 SECONDS. 在推柄的先端沿运行方向加上 (500gf) 力度测试, 时间为30秒. | THERE SHALL BE NO DAMAGE ON APPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械, 电气性能 |

| 4. DURABILITY (耐久性) : | | |
|-----------------------|---|--|
| ITEM 项目 | TEST CONDITIONS 测试条件 | PERFORMANCE (DATA) 规格(数据) |
| 4.1 | <p>LIFE TEST 寿命试验</p> <p>AN ACTUATOR SHALL BE WITH A THRUST OF NO GREAT THAN 1 TIMES SWITH POWER TO 10000 CYCLES AT A SPEED OF 30 CYCLES FOR 1 MIN. 操作者以每分钟30次的频率, 施加不大于开关1倍的推力做 10000 次无负荷测试.</p> | <p>1) CONTACT RESISTANCE SHALL BE 50mΩ MAX. 2) LIFETIME: 10000 次 1) 接触电阻不超于50mΩ. 2) 寿命: 10000次</p> |
| 4.2 | <p>HEAT TEST 耐热实验</p> <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2°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±2°C中96小时后, 再放置正常室温 中1小时后测定.</p> | <p>THERE SHALL BE NO DAMAGE ONAPPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械, 电气性能</p> |
| 4.3 | <p>COLD TEST 耐冷实验</p> <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF-25±3°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±3°C中96小时后, 再放置正常室温 中1小时后测定.</p> | |
| 4.4 | <p>HUMIDITY TEST 潮湿实验</p> <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2°C AND A HUMIDITY OF 80% TO 85% FOR 96 Hr. THEN THE JACK SHALL BE MAINTAINEDAT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES. 放置在40±2°C相对湿度为80~85%环境中96小时后, 再将样品放在正常室温中1小时后测定.</p> | |
| 4.5 | <p>SOLDERING CONDITIONS 焊锡条件</p> <p>HAND SOLDERING 手焊: 1) DIVCE 工具: SOLDER IRON 电烙铁. A. 350°C MAX. , 2 sec Max B. 270°C MAX. , 4 sec Max 2) REFLOW SOLDERING 回流焊: ≤250°C</p>  | <p>THERE SHALL BE NO DAMAGE ONAPPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械, 电气性能</p> |

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