



|               |        |                  |
|---------------|--------|------------------|
| CUSTOMER NAME | 客户名称:  |                  |
| CUSTOMER NO.  | 客户编号:  |                  |
| SERIES        | 系 列:   | 按键开关             |
| MODEL NO.     | 型 号:   | XB-PS11D33GRX    |
| DRAWING NO.   | 图 形 号: | PS Push Switches |

依据和存档之用，多谢合作！

**EXAMINE & APPROVAL 审批**

|              |  |  |                 |  |  |
|--------------|--|--|-----------------|--|--|
| 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                                      |
| <div>研发部</div> <div>戴海明</div> <div>2022. 06. 08</div> | <div>品质部</div> <div>黄自清</div> <div>2022. 06. 08</div> | <div>工程部</div> <div>庞军</div> <div>2022. 06. 08</div> | <div>总经办</div> <div>吴量</div> <div>2022. 06. 08</div> |

东莞市溪榜电子有限公司

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Dong Guan XB ElectronicsCo., Ltd

AccountNumber: 705540238

BankName: CitibankN.A.,HongKongBranch

Country/Region: Hong Kong

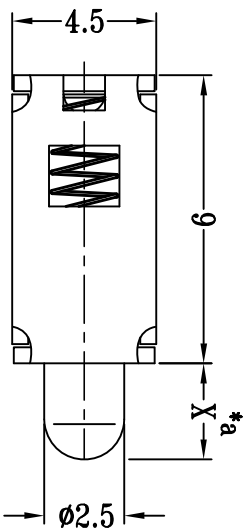
BankCode:006

BankAddress: 3GardenRoad, Central, Hong Kong

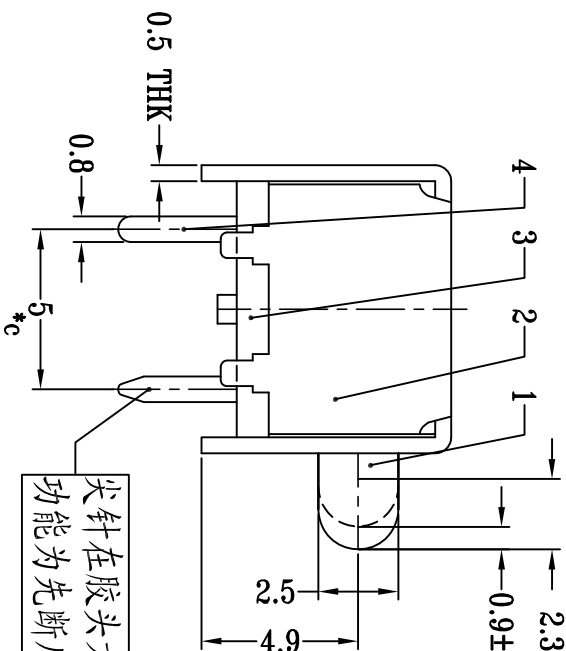
SWIFT/BIC: CITIHKHX (CITIHKHXXXX\*If 11 characters are required)

MAIL: HK@ALPSR.CN XB@ALPSR.CN

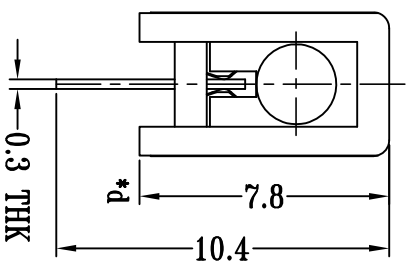
Quality core! Afterburner for Made in China!



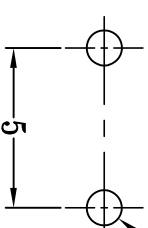
2.3±0.3 FULL TRAVEL  
0.9±0.3 CONTACT TRAVEL



尖针在胶头方一边  
功能为先断后通。



—2-Ø1.1

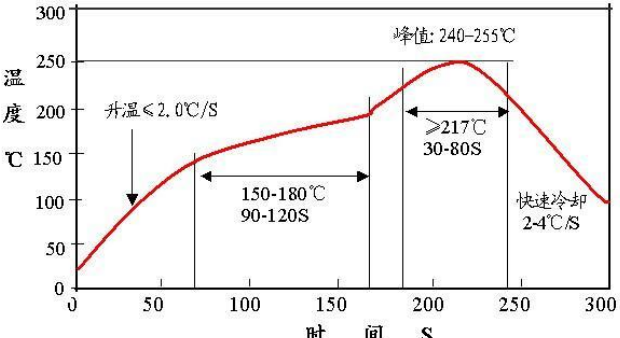


**P.C.B LAYOUT**  
**BOTTOM VIEW**

注: "□"表示关键尺寸(4个).

[illegible]

|                                                                                                                                               |                               |                                                                                                                                                                                                                                   |                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>东莞市溪榜电子有限公司</b><br>DONG GUAN XI BANG ELECTRONICS CO., LTD. |                               | 文件编号                                                                                                                                                                                                                              | XB-58-20010608                                                                                                                                     |
|                                                                                                                                               |                               | 发布日期                                                                                                                                                                                                                              | 2001年 06月 8 日                                                                                                                                      |
| SPECIFICATION 规格书                                                                                                                             |                               | 第 A 版                                                                                                                                                                                                                             | 第 1 页 共 3 页                                                                                                                                        |
| MODEL NO. XB-PS11D33GRX<br>产品名称: 侧按式按键开关                                                                                                      |                               |                                                                                                                                                                                                                                   |                                                                                                                                                    |
| DRAWN 制订                                                                                                                                      |                               | 吴工                                                                                                                                                                                                                                | APPD. 审核 庞军                                                                                                                                        |
| 1、RATING (额定值)                                                                                                                                |                               | : DC 30V 0.5A                                                                                                                                                                                                                     |                                                                                                                                                    |
| 2、FUNCTION (接触型式)                                                                                                                             |                               | : 1P2T                                                                                                                                                                                                                            |                                                                                                                                                    |
| 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<br>接触电阻    | MEASURED AT 1KHz SMALL CURRENT (100mA OR LESS)<br>在 1KHz 微小电流 (100mA 以下) 测试.                                                                                                                                                      | 70mΩ MAX.<br>70 毫欧以下                                                                                                                               |
| 4.2                                                                                                                                           | INSULATION RESISTANCE<br>绝缘电阻 | APPLY A VOLTAGE OF 250V DC FOR 1 MIN.<br>TO FOLLOWING PORTIONS AFTER WHICH<br>MEASUREMENT SHALL BE MADE.<br>(1)BETWEEN BODY AND TERMINAL。<br>(2)BETWEEN TERMINALS。<br>输入 250V DC 电压 1 分钟, 按以下接触方法测试:<br>(1)排脚相互之间。<br>(2)排脚与外壳之间。 | 100MΩ MIN.<br>100 兆欧以上.                                                                                                                            |
| 4.3                                                                                                                                           | DIELECTRIC STRENGTH<br>耐电压    | AC 250V rms (50-60Hz) FOR 1 MIN TRIP CURRENT:<br>0.5mA<br>(1)BETWEEN TERMINALS.<br>(2)BETWEEN INDIVIDUAL TERMINAL AND FRAME.<br>输入 AC 250V (50-60Hz) 电压, 1 分钟感度电流为<br>0.5mA, 按以下接触方法测试:<br>(1)排脚相互之间<br>(2)排脚与外壳之间.               | WITHOUT DAMAGE TO PARTS<br>ARCING OR BREAKDOWN<br>ETC<br>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<br>作动力        | Push at root of knob<br>在压柄最顶端测试                                                                                                                                                                                                  | 180gf ± 50gf                                                                                                                                       |
| 5.2                                                                                                                                           | TERMINAL STRENGTH<br>端子强度     | A STATIC LOAD OF (300gf) SHALL BE APPLIED<br>TO THE TERMINAL FOR 15 SEC, IN ANY DIRECTION.<br>在排脚前端任意一个方向加 300gf 力度测试, 时<br>间为 15 秒.                                                                                              | MECHANICAL AND<br>ELECTRICAL<br>CHARACTERISTICS SHALL<br>BE SATISFIED WITHOUT<br>LOOSENESS<br>OF ACTUATOR.<br>在端子中没有裂开, 松动等<br>异常, 满足于机械、电器性<br>能。 |

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|                                                                                                                                               |                                                                                                                                                                                                                                                                     | 发布日期                                                                                                                                                         | 2001年 06月 8 日  |
| SPECIFICATION 规格书                                                                                                                             |                                                                                                                                                                                                                                                                     | 第 A 版                                                                                                                                                        | 第 2 页 共 3 页    |
| 6、ENDURANCE CHARACTERISTICS (耐久性)：                                                                                                            |                                                                                                                                                                                                                                                                     |                                                                                                                                                              |                |
| ITEM 项目                                                                                                                                       | TEST CONDITIONS 测试条件                                                                                                                                                                                                                                                | PERFORMANCE 规格                                                                                                                                               |                |
| 6.1                                                                                                                                           | LIFE TEST<br>寿命试验<br>WITHOUT LOAD:<br>AN ACTUATOR SHALL BE SUBJECT TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES FOR 1 MIN.<br>无负荷:<br>操作者以每分钟 15—18 回的频率作 10,000 回之无负荷测试。                                                                                         | (1) CONTACT RESISTANCE SHALL BE 200mΩ MAX.<br>(2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>(1) 接触电阻不能超于 200mΩ.<br>(2) 其它、满足于机械、电器性能。 |                |
| 6.2                                                                                                                                           | SOLDERABILITY TEST<br>可焊性试验<br>THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 240±5℃ FOR 3±0.5 SECONDS.<br>端子顶部被浸入锡焊池中 2mm 深, 温度为 240±5℃, 时间为 3±0.5 秒。                                                                                          | THE AREA OF SOLDERING SHOULD BE OVER 95%<br>焊接面积要有 95%以上。                                                                                                    |                |
| 6.3                                                                                                                                           | RESISTANCE TO SOLDERING HEAT TEST<br>耐焊性试验<br>(1) Hand welding:<br>380℃ Max. 3sec. Max.<br>(2) Reflow soldering:<br>                                                             | THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.<br>外观无异常, 满足于机械、电器性能。                                                                                |                |
| 6.4                                                                                                                                           | HEAT TEST<br>耐热试验<br>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2℃ FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 85±2℃中测试 96 小时后, 再将放置在常温常湿的环境中 1 小时后进行测试。 |                                                                                                                                                              |                |
| 6.5                                                                                                                                           | COLD TEST<br>耐冷试验<br>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3℃ FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 -25±3℃中 96 小时后, 再将放置在常温常湿的环境中 1 小时后进行测试。 |                                                                                                                                                              |                |

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| SPECIFICATION 规格书                                                                                                                             |                                          | 第 A 版                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 第 3 页 共 3 页                                                                              |
| ITEM 项目                                                                                                                                       |                                          | TEST CONDITIONS 测试条件                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PERFORMANCE 规格                                                                           |
| 6.6                                                                                                                                           | HUMIDITY TEST<br>潮湿试验                    | <p>THE SWITCH SHALL BE STORED AT A TEMPERATURE OF <math>40\pm 2^{\circ}\text{C}</math> 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 <math>40\pm 2^{\circ}\text{C}</math> 的相对湿度为 90%~95% 环境中 96 小时后, 再将放置在常温常湿的环境中 1 小时后进行测试.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>外观无异常, 满足于机械、电器性能.</p> |
| 6.7                                                                                                                                           | STANDARD ATMOSPHERE CONDITIONS<br>测试标准状态 | <p>UNLESS OTHERWISE SPECIFIED.</p> <p>THE STANDARD RANGE OF ATMOSPHERE CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:</p> <p>(1) AMBIENT TEMPERATURE: <math>5^{\circ}\text{C}</math> TO <math>35^{\circ}\text{C}</math></p> <p>(2) RELATIVE HUMIDITY: 45% TO 85%</p> <p>(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 <math>5^{\circ}\text{C}</math>—<math>35^{\circ}\text{C}</math>.</p> <p>(2) 湿度为 45%—85%.</p> <p>(3) 气压为 86Kpa—106Kpa.</p>                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                          |
| 6.8                                                                                                                                           | PRACTICAL TEMPERATURE RANGE<br>使用温度范围    | <p><math>-16^{\circ}\text{C}\sim +60^{\circ}\text{C}</math>.</p> <p>在 <math>-16^{\circ}\text{C}\sim +60^{\circ}\text{C}</math> 温度内使用.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                          |
| 7.0                                                                                                                                           | STORAGE ENVIRONMENT<br>储存环境              | <p>(1) UNDER SEALING PACK CONDITION, STORED TEMPERATURE DON'T EXCEED <math>30^{\circ}\text{C}</math> AND RELATIVE HUMIDITY IS 75% RH; IN THE ENVIRONMENT OF NO SUNSHINE DIRECT AND NO CORROSIVE GAS, THE STORED TIME OUGHT TO BE THREE MONTHS BUT WITHIN SIX MONTHS AT MOST.</p> <p>(2) WITHOUT SEALING PACK CONDITION, STORED TEMPERATURE DON'T EXCEED <math>30^{\circ}\text{C}</math> AND RELATIVE HUMIDITY IS 75% RH; IN THE ENVIRONMENT OF NO SUNSHINE DIRECT AND NO CORROSIVE GAS, THE STORED TIME SHOULD NOT EXCEED 48H.</p> <p>(3) DON'T EXCESSIVE OVERLAP OR OVERSTOCKING WHEN KEEPING THIS GOODS, IN CASE OF DAMAGE.</p> <p>(1) 密封包装状态下, 储存温度为 <math>\leq 30^{\circ}\text{C}</math>, 相对湿度 75% RH, 无阳光直射, 无腐蚀性气体的环境中, 储存时间为 3 个月, 最长不宜超过 6 个月。</p> <p>(2) 无密封包装状态下, 储存温度为 <math>\leq 30^{\circ}\text{C}</math>, 相对湿度 75% RH, 无阳光直射, 无腐蚀性气体的环境中, 储存时间最长不宜超过 48 小时。</p> <p>(3) 保存时应注意物品不能过量重叠、积压, 以免损坏。</p> | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>外观无异常, 满足于机械、电器性能.</p> |