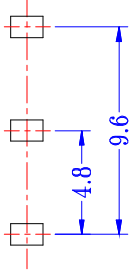
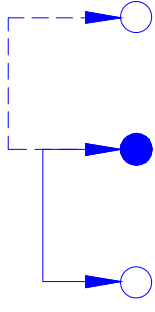
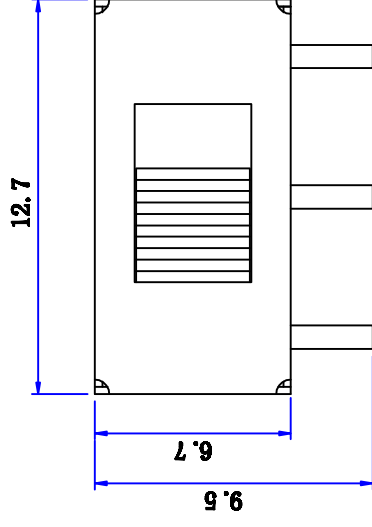
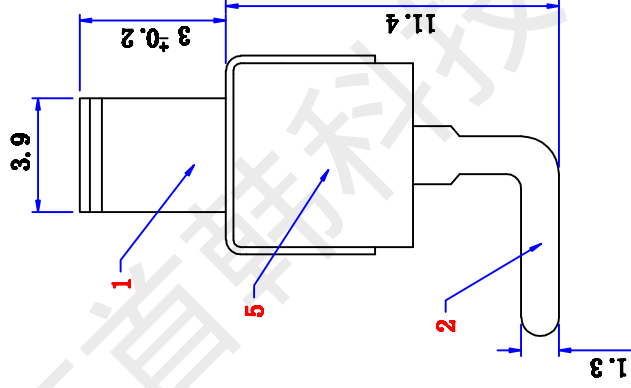
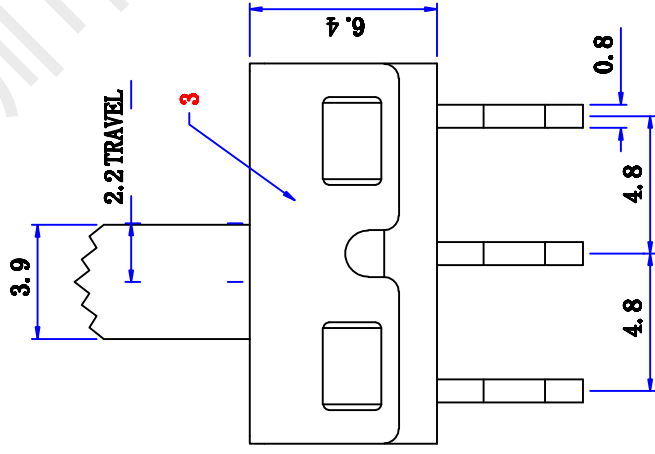




CAD FILE:



P.C.B LAYOUT  
BOTTOM VIEW



SCHEMATIC(NON-SHORTING)

所有标注尺寸公差为: ±0.2mm

|     |           |                      |      |                          |                               |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
|-----|-----------|----------------------|------|--------------------------|-------------------------------|--|-------------------------------|---|-------|------|--|--------------------------|----------------------------|------|-----------|-----------|--|--|--|--|--|
| 8   |           |                      |      |                          |                               |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
| 7   | PRESS BAR | NYLON+F.G+94V0(PA9T) | 1    | BLACK                    |                               |  | TOLERANCE<br>UNLESS SPECIFIED |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
| 6   | SPRING    | STEEL WIRE           | 1    | NATURAL                  |                               |  | WITHIN : ±0.2mm               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
|     | CONTACT   | COPPER STRIP         | 1    | Ag PLATED                |                               |  | OVER : ±0.2mm                 | A | ISSUE | DATE |  | DESCRIPTIONS OF REVISION |                            |      |           |           |  |  |  |  |  |
| 4   | TERMINAL  | COPPER STRIP         | 3    | Ag PLATED OVER Ni PLATED |                               |  |                               |   |       |      |  | UNIT : mm                | DRWG NO.: HR-DR-SS12D10-00 | DWN. | 李春风       | 2020.6.24 |  |  |  |  |  |
| 3   | CASE      | NYLON+F.G+94V0(PA9T) | 1    | BLACK                    |                               |  |                               |   |       |      |  | SCALE: 3 : 1             | CHK'D                      | 钟国华  | 2020.6.24 |           |  |  |  |  |  |
| 2   | COVER     | SUS                  | 1    | NATURAL                  |                               |  |                               |   |       |      |  |                          | APPD.                      | 罗孝金  | 2020.6.24 |           |  |  |  |  |  |
| 1   | KNOB      | NYLON+F.G+94V0(PA9T) | 1    | BLACK                    |                               |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
| NO. | PARTS     | MATERIALS            | Q'TY | FINISH                   | MODEL: SS 12D10G3-WJ          |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
|     |           |                      |      |                          | TITLE : VERTICAL SLIDE SWITCH |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
|     |           |                      |      |                          | 深圳市首韩科技有限公司                   |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |
|     |           |                      |      |                          | SH 首韩                         |  |                               |   |       |      |  |                          |                            |      |           |           |  |  |  |  |  |



深圳市首韩科技有限公司

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# 承 认 书

## SPECIFICATION FOR APPROVAL

商品编码 Part Code: C7431056

产品名称 Project: 拨动开关

规格型号 Part No: SS12D10G3-WJ

### 贵公司承认印 Approval signatures

| 料号/Part No. | 签章/Signatures |
|-------------|---------------|
|             |               |

日期 Date:

|             |     |  |
|-------------|-----|--|
| 拟制/Drawn    | 李春风 |  |
| 审核/Check    | 钟华华 |  |
| 批准/Approved | 罗孝金 |  |



产品名称: 拨动开关

产品型号: SS12D10G3-WJ

1: GENERAL SPECIFICATION 基本事项

1.1 RATING (额定值): AC 125V 2A

1.2 PRACTICAL TEMPERATURE RANGE: -25°C~+70°C.  
使用温度范围: 在-25°C~+70°C温度内使用.

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<br>接触电阻    | MEASURED AT 1KHz SMALL CURRENT (100 mA OR LESS)<br>在1KHz微小电流(100mA 以下)测试.  | 100mΩ MAX.<br>100毫欧以下.  |
| 2.2  | INSULATION RESISTANCE<br>绝缘电阻 | APPLY A VOLTAGE OF 100V DC FOR 1 MIN.<br>THE FOLLOWING CONTACT TEST METHOD:<br>(1) BETWEEN BODY AND CONDUCTOR.<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT.<br>输入100V DC电压1分钟, 按以下接触方法测试:<br>(1) 接触端子之间.<br>(2) 胶座体和排脚之间.                            | 100MΩ MIN.<br>100兆欧以上.  |
| 2.3  | ELECTRIC STRENGTH<br>耐电压      | AC 500V (50-60Hz) FOR 1 MIN TRIP CURRENT: 0.5mA<br>THE FOLLOWING CONTACT TEST METHOD:<br>(1) BETWEEN TERMINALS.<br>(2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.<br>输入AC500V (50-60Hz) 电压, 1分钟感度电流为0.5mA,<br>接触测试方法如下:<br>(1) 接触端子之间.<br>(2) 外壳体和排脚之间. | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.<br>没有绝缘破坏等异常 |

3. MECHANICAL CHARACTERISTICS (机械性能规格)

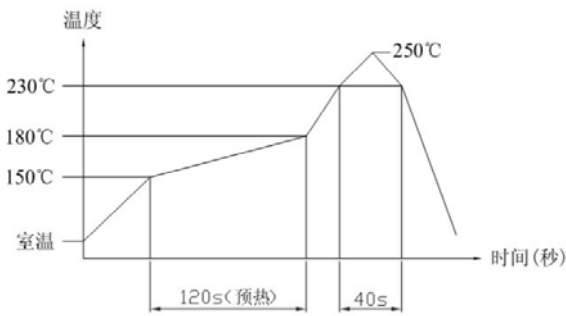
| ITEM | 项目                        | TEST CONDITIONS 测试条件  | PERFORMANCE (DATA) 规格(数据)           |
|------|---------------------------|---|-------------------------------------|
| 3.1  | OPERATION FORCE<br>动作力    | LATERAL PUSH (侧向推动)   | PUSH FORCE (按压力度):<br>250gf ± 100gf |
| 3.2  | TRAVEL TO CLOSURE<br>动作行程 | IN THE HORIZONTAL DIRECTION SWITCH HANDLE OPERATION, WITH AN EQUAL TO 2TIMES THE THRUST OF THE SWITCH FROM ONE POSITION TO THE NEXT GEAR, MOVING DISTANCE MEASURING HANDLE.<br>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. | 2.2mm ± 0.2mm                       |
| 3.3  | STEM STRENGTH<br>操作部(柄)强度 | AND ALONG THE RUNNING DIRECTION AT APEX HANDLE (500gf) ON THE STRENGTH TEST, TIME IS 30 SECONDS.<br>在推柄的先端沿运行方向加上(500gf)力度测试, 时间为30秒.   | 外观无异常, 满足于机械, 电气性能                  |



产品名称: 拨动开关

产品型号: SS12D10G3-WJ

4. DURABILITY(耐久性):

| ITEM 项目                             | TEST CONDITIONS 测试条件   | PERFORMANCE (DATA) 规格(数据)   |
|-------------------------------------|--|---|
| 4.1<br>LIFE TEST<br>寿命试验            | AN ACTUATOR SHALL BE WITH A THRUST OF NO GREAT THAN 1 TIMES SWITH POWER TO 3000 CYCLES AT A SPEED OF 30 CYCLES FOR 1 MIN.<br>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3000次无负荷测试.   | 1) CONTACT RESISTANCE SHALL BE 500mΩ MAX.<br>2) LIFETIME: 3000 CYCLES<br>1) 接触电阻不超于500mΩ.<br>2) 寿命: 3000次                   |
| 4.2<br>HEAT TEST<br>耐热实验            | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85±2℃ FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度85±2℃中96小时后, 再放置正常室温中1小时后测定.                     | THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>外观无异常, 满足于机械, 电气性能 |
| 4.3<br>COLD TEST<br>耐冷实验            | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -25±3℃ FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度-25±3℃中96小时后, 再放置正常室温中1小时后测定.                   |   |
| 4.4<br>HUMIDITY TEST<br>潮湿实验        | THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40±2℃ AND A HUMIDITY OF 80% TO 85% FOR 96 Hr. THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES.<br>放置在40±2℃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. |   |
| 4.5<br>SOLDERING CONDITIONS<br>焊锡条件 | HAND SOLDERING 手焊:<br>1) DIVCE 工具: SOLDER IRON 电烙铁.<br>A. 350℃MAX., 2 sec Max<br>B. 270℃MAX., 4 sec Max<br>2) REFLOW SOLDERING 回流焊: ≤250℃<br>                   |   |

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