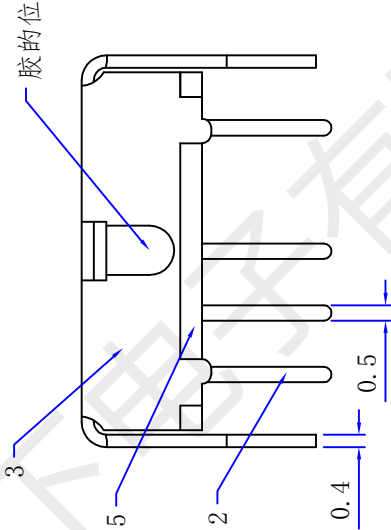
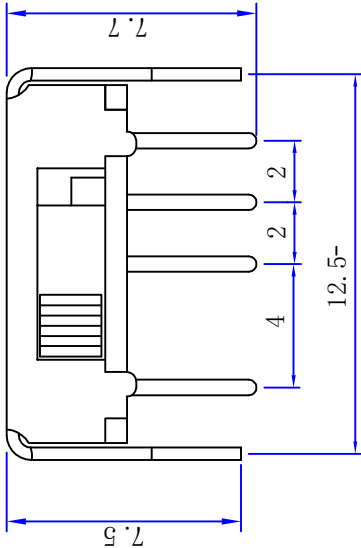
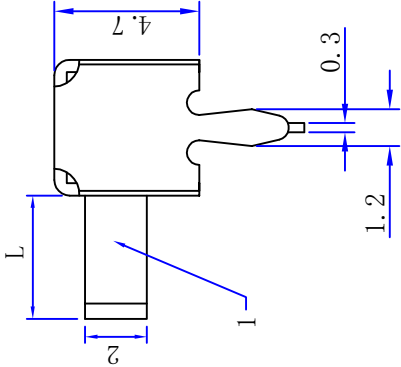
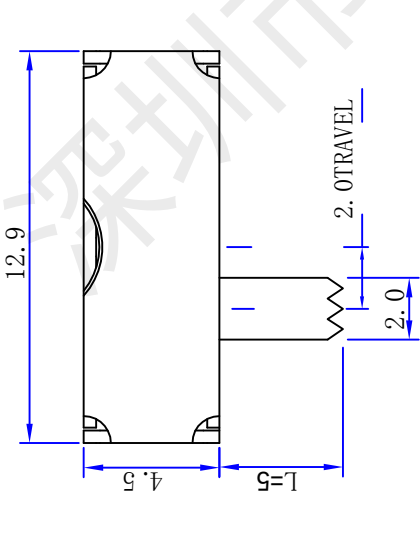
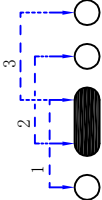
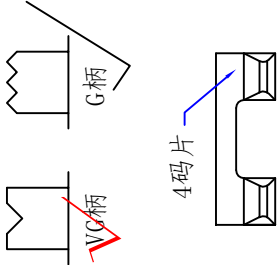


- 电气性能参数:
1. 额定负载: DC50V 0.3A
  2. 接触电阻: 100毫欧以下
  3. 绝缘电阻: 100兆欧以上
  4. 耐压: AC 500V
  5. 力度:  $250 \pm 100$ gf
  6. 寿命: 8000次
  7. 后焊:  $350 \pm 10$ 度



SCHEMATIC



L2-8

|                  |    |     |    |            |           |                 |    |      |
|------------------|----|-----|----|------------|-----------|-----------------|----|------|
| 深圳市韩下电子有限公司      |    |     |    | 6          | 底板        | 冷冲板             | 1  | 原色   |
|                  |    |     |    | 5          | 码片        | 磷铜带             | 1  | 镀银   |
|                  |    |     |    | 4          | 铁壳        | 冷轧钢带            | 1  | 镀镍   |
|                  |    |     |    | 3          | 端子脚       | 黄铜带             | 4  | 镀银   |
|                  |    |     |    | 2          | 胶柄        | POM             | 1  | 黑色   |
|                  |    |     |    | NO.        | 物料组成      | 材质              | 数量 | 表面处理 |
| 类别：拨动开关          |    |     |    |            |           |                 |    |      |
| 型号：HX SK13D07VG5 |    |     |    |            |           |                 |    |      |
| 单位：MM            | 绘图 | 黄彬  | 日期 | 2020-08-24 | 除非另有说明    |                 |    |      |
| 比例：1:1           | 审核 | 张伟  | 日期 | 2020-08-24 | 公差：       | $\pm 0.2$       |    |      |
| 版本：01            | 核准 | 罗小春 | 日期 | 2020-08-24 | ANGLE TOL | $0^{\circ} 30'$ |    |      |



深圳市韩下电子有限公司  
Shenzhen Hanxia Electronic Co., Ltd  
Tel: 0755-23086569

承 认 书

SPECIFICATION FOR APPROVAL

产 品 编 码  
Material code:

X0509

产品名称 Project:

拨动开关

规格型号 Part No:

HX SK13D07VG5

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 50V 0.3A                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                |                                                                                                                       |
| 1.2                                     | PRACTICAL TEMPERATURE RANEG: - 25℃~+70℃<br>使用温度范围: 在-25℃~+70℃溫 . 内使用.                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                |                                                                                                                       |
| 1.3                                     | STANDARD ATMOSPHEIC CONDITIONS :<br>UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1) AMBIENT TEMPERATURE : 5℃ TO 35℃;<br>(2) RELATIVE HUMIDITY : 45% TO 85%;<br>(3) AIR PRESSURE : 86Kpa TO 106Kpa.<br>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:<br>(1)温度为5~35℃; (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)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 500V DC FOR 1 MIN.<br>THE FOLLOWING CONTACE TEST METHOD:<br>(1)BETWEEN BODY AND CONDUCTOR.<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTAC.<br>输入500V 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                                     | ELECT RIC STRENGTH<br>耐电压                                                                                                                                                                                                                                                                                                                                                    | AC 500V(50-60Hz) FOR 1 MIN TRIP CURRENT:0.5mA<br>THE FOLLOWING CONTACE 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. | THOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.<br>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                                                                                                                                                                                                                           | ERFORMANCE (DATA) 规格(数据)                                                                                              |
| 3.1                                     | OPERATION FORCE<br>动作力                                                                                                                                                                                                                                                                                                                                                       | LATERAL PUSH (侧向推动)                                                                                                                                                                                                                            | PUSH FORCE (推动力度)<br>:250gf ±100gf                                                                                    |
| 3.2                                     | TRAVEL TO CLOSURE<br>动作行程                                                                                                                                                                                                                                                                                                                                                    | IN THE HORIZONTAL DIRECTION SWITCH HANDLE OPRATION,WITH AN EQUAL TO 2TIMES THE THRUST OF THE SWITSH FORM 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.                | 2mm ± 0.2mm                                                                                                           |
| 3.3                                     | STEM STRENGTH<br>操作部 (柄) 强度                                                                                                                                                                                                                                                                                                                                                  | AND ALONG THE RUNNING DIRECTION AT APEX HANDLE(500gf)<br>ON THESTRENGTH TEST, TIME IS 30SECONDS.<br>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 ONAPPEARANCE 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     | LIFE TEST<br>寿命试验            | AN ACTUATOR SHALL BE WITH A THRUST OF NO GREAT THAN 1 TIMES SWITH POWER TO 8000 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 8000 次无负荷测试.                                                                             | 1) CONTACT RESISTANCE SHALL BE 50mΩ MAX.<br>2) LIFETIME: 8000 次<br>1) 接触电阻不超于50mΩ .<br>2) 寿命: 8000次                     |
| 4.2     | 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     | 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     | 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     | SOLDERING CONDITIONS<br>焊锡条件 | HAND SOLDERING 手焊:<br>1) DVICE 工具: SOLDER IRON 电烙铁.<br>A. 350℃ MAX., 2 sec Max<br>B. 270℃ MAX., 4 sec Max                                                                                                                                         | 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 |