



# 规格书

## SPECIFICATION

|               |        |              |
|---------------|--------|--------------|
| CUSTOMER NAME | 客户名称:  |              |
| CUSTOMER NO.  | 客户编号:  |              |
| SERIES        | 系 列:   | 微动开关         |
| MODEL NO.     | 型 号:   | XB-TM-036-S  |
| DRAWING NO.   | 图 形 号: | Micro Switch |

**If specification of this product meets your request, please confirm all the items of it and return to us with signature and stamp, it will be basis of our production and record. Thanks your cooperation in advance!**

若此产品规格符合贵司要求，敬请确认此规格书内所有项目  
并签名和盖章后回传给我司，以作我司产品制作之  
依据和存档之用，多谢合作！

## EXAMINE & APPROVAL 审批

| APPROVE 接受                                         | NOT APPROVE 不接受 |
|----------------------------------------------------|-----------------|
| <div>SIGNATURE 签署      STAMP 盖章      DATE 日期</div> |                 |

|                                                       |                                                       |                                                      |                                                      |
|-------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| 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

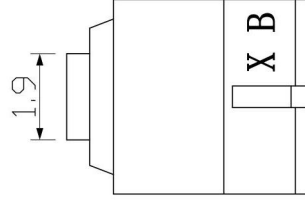
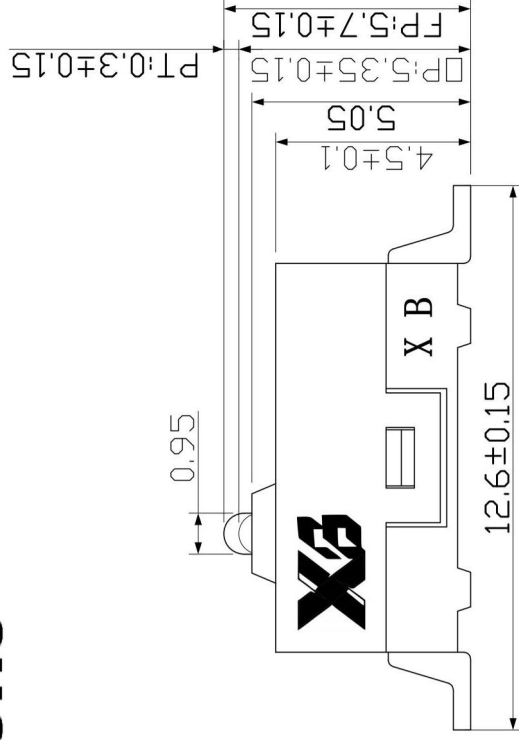
**Dong guan Xi Bang Electronics Co., Ltd**  
地址: 广东省东莞市黄江镇合路工业区  
**Address:He Lu Industrial Zone, Huangjiang Town**  
**,Dongguan City, Guangdong Province**  
**Tel: (0769)82055138/82056828**  
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Dong Guan XB ElectronicsCo., Ltd

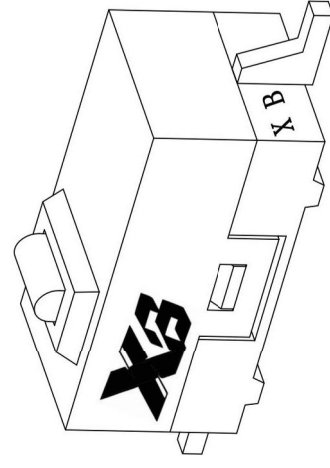
AccountNumber: 705540238  
BankName: CitibankN.A.,HongKongBranch  
Country/Region:Hong Kong  
BankCode:006  
BankAddress: 3GardenRoad,Central,Hong Kong  
SWIFT/BIC: CITIHKHX(CITIHKHXXXX\*If11charactersare  
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Quality core! Afterburner for Made in China!

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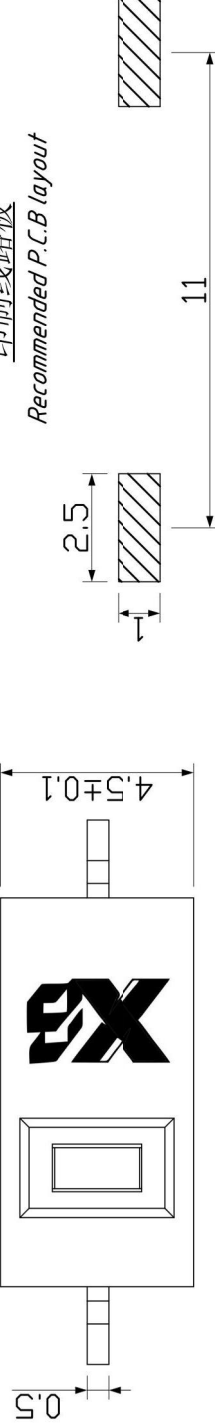
SCHEMATIC



- 1、工作电压 Working Voltage: 30V DC;
- 2、工作电流 Working Current: 0.05A;
- 3、接触电阻 Contact Resistance:  $\leq 300\text{m}\Omega$ ;
- 4、绝缘电阻 Insulation Resistance:  $\geq 100\text{M}\Omega$ ;
- 5、动作力 Press Force:  $100 \pm 20\text{gf}$ ;
- 6、寿命 Life:  $\geq 300,000$ 次。

# 印制线路板

*Recommended P.C.B layout*

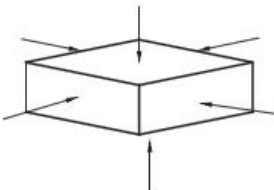


|     |             |          |       |        |
|-----|-------------|----------|-------|--------|
| 6   | 盖板          | 高温尼龙     | 黑色    | ----   |
| 5   | 按钮          | 高温尼龙     | 黑色    | ----   |
| 4   | 触点          | 纯银       | ----  | ----   |
| 3   | 簧片          | SUS      | ----  | ----   |
| 2   | 基座          | 高温尼龙     | 黑色    | ----   |
| 1   | 端子          | H62Y     | ----  | 表面镀银   |
| NO. | DESCRIPTION | MATERIAL | COLOR | REMARK |

The material contained in this drawing is the property of XiBang. Any use other than that specifically authorized by XiBang is prohibited. The above drawing IS subjected to change for improvement without prior notice.

|                                                                                                           |  |       |  |                                                       |  |               |  |                |  |           |  |                                                                                       |  |           |  |          |  |      |  |           |  |  |  |               |  |             |  |   |  |           |  |  |  |
|-----------------------------------------------------------------------------------------------------------|--|-------|--|-------------------------------------------------------|--|---------------|--|----------------|--|-----------|--|---------------------------------------------------------------------------------------|--|-----------|--|----------|--|------|--|-----------|--|--|--|---------------|--|-------------|--|---|--|-----------|--|--|--|
| <br>Switch Connector |  |       |  | 东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONICS CO., LTD |  |               |  |                |  |           |  |                                                                                       |  |           |  |          |  |      |  |           |  |  |  |               |  |             |  |   |  |           |  |  |  |
| UNIT : MM                                                                                                 |  | DWN.  |  | ZENQ. CHEN                                            |  | DATE          |  | TOLERANCE      |  | ANGLE TOL |  | 3                                                                                     |  | BASE      |  | PBT      |  | 1    |  | WHITE     |  |  |  |               |  |             |  |   |  |           |  |  |  |
| SCALE : 5 : 1                                                                                             |  | CHK'D |  | PENG. GAO                                             |  | DATE          |  | <= 1.5mm ± 0.1 |  |           |  | 2                                                                                     |  | COVER     |  | PBT      |  | 1    |  | BLACK     |  |  |  |               |  |             |  |   |  |           |  |  |  |
| VERSION                                                                                                   |  | 01    |  | APPD.                                                 |  | FEL. LONG. HE |  | > 1.5mm ± 0.2  |  | ± 2°      |  | 1                                                                                     |  | BUTTON    |  | POM      |  | 1    |  | WHITE     |  |  |  |               |  |             |  |   |  |           |  |  |  |
|                                                                                                           |  |       |  |                                                       |  | DATE          |  | >=10mm ± 0.3   |  |           |  | NO.                                                                                   |  | PART NAME |  | MATERIAL |  | QTY. |  | FINISHING |  |  |  |               |  |             |  |   |  |           |  |  |  |
|                                                                                                           |  |       |  | TITLE : XB MICRO SWITCH                               |  |               |  |                |  |           |  |  |  |           |  |          |  |      |  | 7         |  |  |  | LEVER         |  | SUS         |  | 1 |  | NATURE    |  |  |  |
|                                                                                                           |  |       |  | MODEL : XB-TM-036-S                                   |  |               |  |                |  |           |  |                                                                                       |  |           |  |          |  |      |  | 6         |  |  |  | CONTACT POINT |  | SILVER      |  | 1 |  | NATURE    |  |  |  |
|                                                                                                           |  |       |  |                                                       |  |               |  |                |  |           |  |                                                                                       |  |           |  |          |  |      |  | 5         |  |  |  | SPRING PLATE  |  | CuBe        |  | 1 |  | NATURE    |  |  |  |
|                                                                                                           |  |       |  |                                                       |  |               |  |                |  |           |  |                                                                                       |  |           |  |          |  |      |  | 4         |  |  |  | TERMINAL      |  | BRASS STRIP |  | 3 |  | Ag PLATED |  |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               |                                                  |                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  东莞市溪榜电子有限公司<br>DONG GUAN XI BANG ELECTRONICS CO., LTD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               | 文件编号                                             | XB-MICROSWITCH                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               | 发布日期                                             | 2024年3月8日                                                                                                                                                                                                                             |
| PRODUCT SPECIFICATION 产品规格书                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               | 文件版次                                             | A 版                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                               | 页 码                                              | 共5页/第1页                                                                                                                                                                                                                               |
| SERIES 系列                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Micro Switch 微动开关             | 产品型号                                             | XB-TM-036-S                                                                                                                                                                                                                           |
| 1.General Characteristics 一般特性                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                               |                                                  |                                                                                                                                                                                                                                       |
| <p>1.1 Application: This specification is applied to the Slide Switches for general applications.<br/>适用范围：该规格书适用于拨动开关的一般使用范围。</p> <p>1.2 Operating Temperature Range: -25℃ to +85℃<br/>使用温度范围： -25℃ - +85℃</p> <p>1.3 Operating Relative Humidity: ≤85% R<br/>相对湿度： ≤85% RH</p> <p>1.4 Test Conditions: Unless otherwise specified, the atmospheric conditions for making measurements and tests are as follows: 实验条件：若没有特别说明，则试验大气条件如下：<br/>Ambient Temperature: 5-35℃<br/>Relative Humidity: 45-85% RH<br/>Air Pressure: 86-106Kpa (860-1060mbar)<br/>环境温度： 5-35℃<br/>相对湿度： 45-85% RH<br/>大气压力： 86-106Kpa (860-1060mbar)</p> |                               |                                                  |                                                                                                                                                                                                                                       |
| 2. Appearance, Structure & Dimensions 外观， 结构及尺寸：                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |                                                  |                                                                                                                                                                                                                                       |
| <p>2.1 Appearance: The switch shall have good finishing, and no rust, crack or plating defects.<br/>外观：产品外观良好，无锈蚀、裂纹和镀层缺陷。</p> <p>2.2 Structure &amp; Dimensions: Refer to individual product drawing.<br/>结构及尺寸：参见产品图纸</p> <p>2.3 Markings: Refer to individual product drawing.<br/>标识：参见产品图纸</p>                                                                                                                                                                                                                                                                                                                             |                               |                                                  |                                                                                                                                                                                                                                       |
| 3. Ratings 额定值: 0.05A 30VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |                                                  |                                                                                                                                                                                                                                       |
| 4. Electrical Characteristics 电气特性                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                               |                                                  |                                                                                                                                                                                                                                       |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Item 项目                       | Criteria 标准                                      | Test Method 实验方法                                                                                                                                                                                                                      |
| 4.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Contact Resistance<br>接触电阻    | 100mΩ Max.                                       | Measured by a voltage drop method at 1A 5VDC . Any equipment with error not more than 5% can be used. Resistance after test is the average of 5 successive measurements.<br>以1A, 5V 直流电，采用电压降法测量。也可用误差不超过5%的仪表进行测量，实验后的电阻取 5 次测量的平均值。 |
| 4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Insulation Resistance<br>绝缘电阻 | 100MΩ Min.                                       | 250VDC voltage is applied between each pair of terminals and between the terminal and the metal frame for 60±5s.<br>在相互绝缘的所有端子之间及各接线端子与外露的非载流金属零件之间加载250V 直流电，持续时间60±5S。                                                              |
| 4.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Dielectric Voltage<br>抗电强度    | No dielectric breakdown shall occur.<br>无击穿现象发生。 | 250VAC (50~60Hz,cut-off current 2mA) is applied between non-connected terminals and between terminals and the metal frame for 60±5s.<br>在相互绝缘的所有接线端子之间及各接线端子与外壳或非载流金属零件之间加载250V（50~60Hz）交流电，持续时间 60±5S。                               |

| <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>东莞市溪榜电子有限公司</div><div>DONG GUAN XI BANG ELECTRONICS CO., LTD</div></div></div> <div>PRODUCT SPECIFICATION 产品规格书</div> |                     | 文件编号                                                                                                                                                                                                                 | XB-MICROSWITCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                   |                     | 发布日期                                                                                                                                                                                                                 | 2024年3月8日                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                   |                     | 文件版次                                                                                                                                                                                                                 | A 版                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                   |                     | 页 码                                                                                                                                                                                                                  | 共5页/第2页                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SERIES 系列                                                                                                                                                                                                         | Micro Switch 微动开关   | 产品型号                                                                                                                                                                                                                 | XB-TM-036-S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5.Mechanical Characteristics 机械特性:                                                                                                                                                                                |                     |                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| No.                                                                                                                                                                                                               | Item 项目             | Criteria 标准                                                                                                                                                                                                          | Test Method 实验方法                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5.1                                                                                                                                                                                                               | Operating Force 操作力 | 100±20gf                                                                                                                                                                                                             | Apply a tension meter on the midpoint of the actuator (or tip of the shaft) to supply a pressure vertically from its free position to operating position.<br>在操作元件末端沿操作方向均匀施加静载荷,使操作元件转换到动作位置。                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 5.2                                                                                                                                                                                                               | Pull strength 推压强度  | 20N/min(2Kgf/min)                                                                                                                                                                                                    | Push or pull the handle along the operation direction to the breaking strength<br>沿操作方向推或拉推柄至折断时的强度                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5.3                                                                                                                                                                                                               | Vibration Proof 振动  | After test,<br>Contact resistance:300mΩ Max.<br>Insulation resistance:100MΩ Min<br>No abnormalities shall be recognized in appearance and construction.<br>实验后:<br>接触电阻:300mΩ Max.<br>绝缘电阻:100MΩ Min.<br>表面及结构无明显变形。 | Switch shall be secured to a testing machine by a normal mounting device and method. Encoder shall be measured after following test. (1) Vibration frequency range = 10~55 Hz (2) Total amplitude =1.5mm (3) Sweep ratio: 10~55~10Hz Approx. 1 min (4) Method of changing the sweep vibration frequency: logarithmic or linear (5) Direction of vibration: Three perpendicular directions including actuating direction. (6) Duration: 2 hours (6 hours in total)<br>开关采用常规的安装方法牢固地安装在试验设备上,并在下述参数条件下进行试验:<br>(1) 振频=10~55Hz<br>(2) 振幅1.5mm<br>(3) 振动变化速率: 10~55~10Hz 大约1 分钟<br>(4) 变频方法: 对数或线性型式<br>(5) 振动方向: 三个相互垂直的方向,其中一个方向应是促动元件运动的方向。<br>(6) 时间: 每个方向2 小时(共6 小时)。 |
| 5.4                                                                                                                                                                                                               | Mechanical Shock 冲击 | Shall be free from mechanical abnormalities.<br>表面及结构无明显变形。                                                                                                                                                          | Switch shall be measured after following test:<br>(1) Mounting Method: Normal<br>(2) Acceleration: 490m/s <sup>2</sup> (50G)<br>(3) Duration: 11ms<br>(4) Test Direction: 6 directions<br>(5)Number of shocks: 3 times per direction (18 times in total)<br>试件在下述参数条件下进行试验:<br>(1)安装方法: 常规方法<br>(2)加速度: 490m/ s <sup>2</sup> (50G)<br>(3)时间: 11ms<br>(4)实验方向: 图示 6方向<br>(5)冲击次数: 每个方向 3 次(总共 18次)<br>                                                                                                                                                                              |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                                                                                                                                                                                                       |                                |                                                                                   | 发布日期                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2024年3月8日      |
|                                                                                                                                                                                                       |                                |                                                                                   | 文件版次                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A 版            |
|                                                                                                                                                                                                       |                                |                                                                                   | 页 码                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 共5页/第3 页       |
| SERIES 系列                                                                                                                                                                                             |                                | Micro Switch 微动开关                                                                 | 产品型号                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | XB-TM-036-S    |
| No.                                                                                                                                                                                                   | Item 项目                        | Criteria 标准                                                                       | Test Method 实验方法                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |
| 5.5                                                                                                                                                                                                   | Solder Ability<br>可焊性          | More than 90% of immersed part shall be covered with solder.<br>超过90%的浸锡面积被焊料所覆盖。 | Switch shall be checked after following test:<br>(1) Solder:H63A (JIS Z3282)<br>(2) Flux:Rosin Flux (JIS K 5902) having a nominal composition of 25% solids by mass of water white rosin in methyl alcohol (JIS K 1501) solution.<br>(3) Soldering Temperature:245 ± 5°C<br>Immersing Time:3±1s<br>Flux immersing time shall be 5 ~10s in normal room temperature.<br>试件在下述参数条件下进行试验:<br>(1) 焊料: H63A (JIS Z 3282)<br>(2) 焊剂: 焊剂 (JIS K 5902), 质量百分比为 25%松香, 75%甲醇的无色透明溶液。<br>焊接温度: 245±5°C 浸渍时间: 3±1s 焊剂浸渍时间: 5~10s |                |
| 5.6                                                                                                                                                                                                   | Solder Heat Resistance<br>耐焊接热 | No abnormalities shall be observed in appearance and operation.<br>无外观及功能损坏。      | Switch shall be measured after following test:<br>(1) Solder: H63A (JIS Z3282)<br>(2)Flux: Rosin Flux (JIS K 5902) having a nominal composition of 25% solids by mass of water white rosin in methyl alcohol (JIS K 1501) solution.<br>(3) Soldering Temperature & Immersing Time<br>Dip Soldering 260 ± 5 °C 3-5s Manual Soldering 350±5°C 2~3s<br>试件在下述参数条件下进行试验:<br>(1) 焊料: H63A (JIS Z 3282)<br>(2) 焊剂: 焊剂 (JIS K 5902), 质量百分比为 25%松香, 75%甲醇的无色透明溶液。<br>(3) 焊接温度及时间: 自动焊接260±5°C 3-5s<br>手工焊接360±10°C 2~3s       |                |
| 5.7                                                                                                                                                                                                   | Conditions for reflow<br>回流焊   | No abnormalities shall be observed in appearance and operation.<br>无外观及功能损坏。      | <p>180<br/>150<br/>260°C max. 3sec max.<br/>230°C<br/>时间<br/>120sec max.(预热)<br/>40s max.<br/>3 to 4 min.<br/>炉内通过时间</p>                                                                                                                                                                                                                                                                                                                                                                                             |                |



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|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div><div><div></div><div>XB</div><div>Switch Connector</div></div></div><div>东莞市溪榜电子有限公司</div><div>DONG GUAN XI BANG ELECTRONICS CO., LTD</div></div> |                          | 文件编号                                                                                                                                                                                                                                                                         | XB-MICROSWITCH                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                             |                          | 发布日期                                                                                                                                                                                                                                                                         | 2024年3月8日                                                                                                                                                                                                                                                                                                            |
| PRODUCT SPECIFICATION 产品规格书                                                                                                                                 |                          | 文件版次                                                                                                                                                                                                                                                                         | A 版                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                             |                          | 页 码                                                                                                                                                                                                                                                                          | 共5页/第4页                                                                                                                                                                                                                                                                                                              |
| SERIES 系列                                                                                                                                                   | Micro Switch 微动开关        | 产品型号                                                                                                                                                                                                                                                                         | XB-TM-036-S                                                                                                                                                                                                                                                                                                          |
| 6. Durability characteristics 耐久性能                                                                                                                          |                          |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                      |
| No.                                                                                                                                                         | Item 项目                  | Criteria 标准                                                                                                                                                                                                                                                                  | Test Method 实验方法                                                                                                                                                                                                                                                                                                     |
| 6.1                                                                                                                                                         | Mechanical Life 机械寿命     | After test,<br>Contact resistance: 10Ω<br>Max. Insulation resistance:100MΩ Min.<br>Tolerance of operating force disintegration shall be within 30% of specified value No functional defective occur .The switch shall be free from abnormalities in appearance construction. | 3,000,000 cycles of operation shall be performed continuously at a rate of 120 cycles/min without load.<br>在不带负荷的条件下，速度为120次/分钟，在寿命试验设备上连续转换3, 000, 000次。                                                                                                                                                            |
|                                                                                                                                                             | Electronics Life 电气寿命    | 实验后：<br>接触电阻：10 Ω Max.<br>绝缘电阻：100MΩ Min.<br>操作力衰变应在±30%以内。<br>无功能性不良开关外观及结构应无损坏。                                                                                                                                                                                            | 3,000,000 cycles of operation shall be performed continuously at a rate of 120 cycles/min with load as follow 0.1A 12VDC<br>在带0.05A 30VDC负荷的条件下，速度为120次/分钟，在寿命试验设备上连续转换 3, 000, 000次。                                                                                                                                |
| 7. Weather Proof Characteristics 耐候性能:                                                                                                                      |                          |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                      |
| No.                                                                                                                                                         | Item 项目                  | Criteria 标准                                                                                                                                                                                                                                                                  | Test Method 实验方法                                                                                                                                                                                                                                                                                                     |
| 7.1                                                                                                                                                         | Cold Proof 低温            | After test,<br>Contact resistance:300mΩ<br>Max. Insulation resistance: 100MΩ Min.<br>The switch shall be free from abnormalities in appearance and construction.                                                                                                             | After testing at -20 ± 2℃ for 96 hours, the encoder shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.<br>试件在-20±2℃的温控箱内保持96小时，然后在正常温度和湿度下恢复1小时，并在此后1小时内对试品进行测量，水滴应消失。                  |
| 7.2                                                                                                                                                         | Hot Proof 高温             | 实验后：<br>接触电阻：300m Ω Max.<br>绝缘电阻：100MΩ Min.<br>开关外观及结构应无损坏。                                                                                                                                                                                                                  | After testing at 85 ± 2℃ for 96 hours, the encoder shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that.<br>试件在85±2℃的温控箱内保持96小时，然后在正常温度和湿度下恢复1小时，并在此后1小时内对试品进行测量，水滴应消失。                                                     |
| 7.3                                                                                                                                                         | Moisture Resistance 恒定湿热 | After test,<br>Contact resistance:500mΩ<br>Max. Insulation resistance: 100MΩ Min. The switch shall be free from abnormalities in appearance and construction.<br>实验后：<br>接触电阻：500m Ω Max.<br>绝缘电阻：100MΩ Min.<br>开关外观及结构应无损坏                                                  | After testing at 40± 2℃ ,90~95% RH for 96 hours, the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.<br>试件在40±2℃，90-95%RH 的温控箱内保持96小时，然后在正常温度和湿度下恢复1小时，并在此后1小时内对试品进行测量，水滴应消失。 |



东莞市溪榜电子有限公司

DONG GUAN XI BANG ELECTRONICS CO., LTD

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PRODUCT SPECIFICATION 产品规格书

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A 版

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SERIES 系列

Micro Switch 微动开关

产品型号

XB-TM-036-S

No.

Item 项目

Criteria 标准

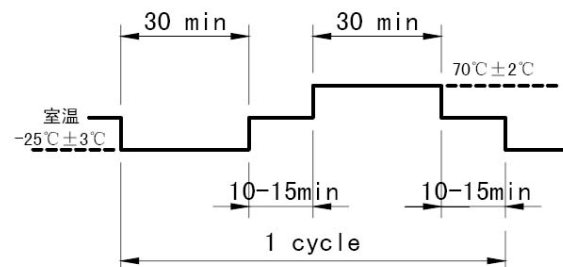
Test Method 实验方法

7.4

Temperature  
Cycling  
温度转换

After test,  
Contact resistance: 300m  $\Omega$   
Max. Insulation  
resistance:100M  $\Omega$  Min. The  
switch shall be free from  
abnormalities in appearance  
and construction.  
实验后:  
接触电阻: 300m  $\Omega$  Max.  
绝缘电阻: 100M  $\Omega$  Min.  
开关外观及结构应无损坏。

After 5 cycles of following conditions, the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour, and measurement shall be made within 1 hour after that. Water drops shall be eliminated.  
试件按下述实验条件试验5次, 然后在正常温度和湿度下恢复1小时, 并在此后1小时内对试品进行测量, 水滴应消失。



7.5

Salt Mist  
盐雾实验

After test,  
Contact resistance: 500m  $\Omega$   
Max. Insulation  
resistance:100M  $\Omega$  Min. The  
switch shall be free from  
abnormalities in appearance  
and construction. No  
remarkable corrosion shall  
be recognized in metal part.

The switch shall be checked after following test:  
(1) Temperature: 35 $\pm$  2 $^{\circ}$ C  
(2) Salt Solution:5 $\pm$ 1% (Solids by mass)  
(3) Duration: 8hours  
(4) After test ,the switch shall be removed by running water and allowed to stand under normal temperature and humidity conditions for 0.5 hour.

试件在下述实验后测量:

- (1) 温度: 35 $\pm$  2 $^{\circ}$ C
- (2) 盐溶液浓度: 5 $\pm$ 1% (质量百分比)
- (3) 时间: 8小时
- (4) 测试后, 试件用水冲干净并放置于常温下0.5小时

7.6

Sulfuration  
硫化实验

实验后:  
接触电阻: 500m  $\Omega$  Max.  
绝缘电阻: 100M  $\Omega$  Min.  
开关外观及结构应无损坏, 金属件上没有腐蚀斑点。

The switch shall be checked after following test:

- (1) Temperature: 35 $\pm$  2 $^{\circ}$ C
- (2) K<sub>2</sub>S Concentration: 2% (Solids by mass)
- (3) Duration:2 min
- (4) After test ,the switch shall be allowed to stand under normal temperature and humidity conditions for 1 hour.

试件在下述实验后测量:

- (1) 温度: 35 $\pm$  2 $^{\circ}$ C
- (2) K<sub>2</sub>S溶液浓度: 2% (质量百分比)
- (3) 时间: 2分钟
- (4) 测试后, 试件放置于常温下1小时