



规格书

SPECIFICATION

CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	倾斜震动开关
MODEL NO.	型 号:	XB-SW-200D-A4
DRAWING NO.	图 形 号:	Tilt 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
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
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Quality core! Afterburner for Made in China!

产品规格书Product Details specification

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■ 功能Function

1.水平倾斜检测

Horizontal tilt detecting.

2.垂直翻转检测

Vertical flip detecting.

■ 应用产品Applications

1.智能家用电器 Smart home appliances

2.倾倒安全防护电器 Tilting safety protection circuit

3.智能电子设备 Intelligent electronic equipment

■ 产品特性Features

1. 此产品为滚珠型倾斜感应单方向性触发开关。

This product is balls type single direction tilt sensitive trigger switch.

2、产品当向引线端（A端）倾斜、倾斜角大于15度时，为开路OFF状态，当产品水平状态发生倾斜改变，触发端（镀金引脚端C）低于水平倾斜角大于15度角时，为通路ON状态。

When the products tilt to the cap terminal and the tilt angle is more than 15degree, it will be a opened circuit "OFF-stated". When the products of horizontal placed tilt change, the trigger lead terminal is below the horizontal and tilt angle is more than 15degree, it will be a closed circuit "ON-stated".

3. 本开关在受外力振动时会产生间歇性通断现象。

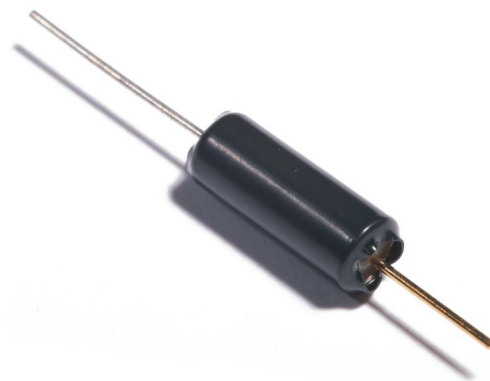
When the switch is vibrated by external force, it may have intermittent on-off phenomemo.

4. 本开关是一种触发性开关，不适用于长时间通电功能，仅适合触发信号。

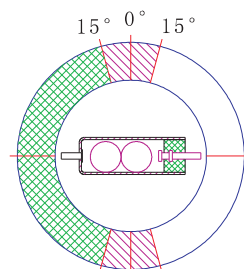
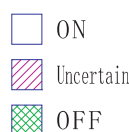
This switch is a trigger switch, which is not suitable for long-time power on function, but only for trigger signal.

5. 导通测试参考旋转角速度大于20度/秒,过慢的角速度可能不触发或触发角增大。

The reference rotation angular velocity of conduction test is greater than 20 degrees / s, and the too slow angular velocity may not trigger or the trigger angle may increase.



触发波形图





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■ 电气特性 Electrical characteristics:

1	工作电压	Voltage	5VDC
2	电流	Current	1-10mA
3	导通方式	Conduction mode	Discontinuous conduction mode 非连续导通
4	导通电阻	Conduction resistance	<30 Ω
5	电气寿命	Electrical life	100,000 times

■ 机械特性 Mechanical characteristics

1	操作耐温	Operating temperature	-25℃ to 85℃
2	储存温度	Storage Temperature	-10℃ to 40℃
3	端子拉力	Pull force of terminal	500gf for 1 minute
4	盐雾测试	Salt mist test	95% RH, 40℃ for 24 hours
5	机械寿命	Operating life	200,000 times

■ 材料列表Bill of material :

1	铜帽	Copper cap	Brass, silver/nickel-plated
2	导针	Guide pin	Brass, gold-plated
3	滚珠	Ball	Brass / steel, silver-plated
4	封口胶粒	Guide cup	Temperature resistance nylon
5	热收缩管	Cover	PET heat shrinkable tubing

■ 焊接特性Welding characteristics

1.手工焊: 330℃±10℃, <3秒.

Manual welding : 330℃ ± 10℃, <3s.

2.波峰焊接(DIP): 250℃±10℃, <5秒.

Wave peak solderling (DIP): 250℃ ± 10℃, <5s.

3.焊锡: 无铅.

Solder tin: lead free.

4.不可使用强酸、碱性助焊剂.

Do not use strong acid alkali flux.

■ 包装Packaging:

1000PCS/袋 (PVC塑料袋)

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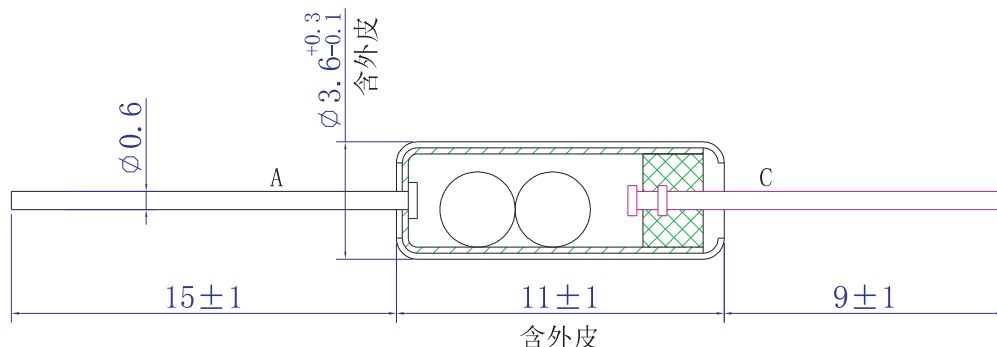
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尺寸SIZE

Unit: mm,
Tolerance ± 0.25



Note 注意事项

- 1.If the product used for high security products and durability of extremely high equipment (such as life safety equipment, aviation facilities, disaster prevention device), please confirm whether a share, can seek advice our company for details.
如果该产品要用于高安全性产品及耐久性极高的设备中（如生命安全设备、航空设施、防灾装置），请确认是否合用，或咨询我司了解详情。
- 2.In case of fire, Please do not overload applicable.
请勿超负荷使用，以防发生火灾。
- 3.The welding temperature or time more than standard, can cause switch collapse.
焊接温度或时间超过规范时，会造成开关解体。
- 4.Do not use water solubility flux. May cause damage to the switch.
勿使用水溶性助焊剂、可能会造成开关损坏。
- 5.Do not use solvent wash switch.
勿使用溶剂清洗开关。
- 6.This switch conduction rate of 98% (conductivity rate per 100 times value switchactions, can good conduction ratio).
本开关导通率为98%以上（导通率是指开关每100次动作中，可以良好导通的比率）。
- 7.Xibang company is only responsible for the defective problems of the product itself, return and exchange the defective products, and does not bear other joint and several expenses.
溪榜公司只承担本产品本身不良问题,对不良品进行退换货,不承担其它连带费用责任。

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