



规格书

SPECIFICATION

CUSTOMER NAME	客户名称:	
CUSTOMER NO.	客户编号:	
SERIES	系 列:	弹簧震动开关
MODEL NO.	型 号:	XB-SW-18015.25.30
DRAWING NO.	图 形 号:	Spring vibration 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
研发部	品质部	工程部	总经办
戴海明	黄自清	庞军	吴量
2022. 06. 08	2022. 06. 08	2022. 06. 08	2022. 06. 08

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

Fax:(0769)83663452

邮箱: admin@alspr.com switch@alspr.com

<http://www.alpsr.cn/> <http://www.alpsr.com/>

Dong Guan XB ElectronicsCo., Ltd

AccountNumber: 705540238

BankName: CitibankN. A., HongKongBranch

Country/Region: Hong Kong

BankCode:006

BankAddress: 3GardenRoad, Central, Hong Kong

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

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

Quality core! Afterburner for Made in China!

产品规格书Product Details specification

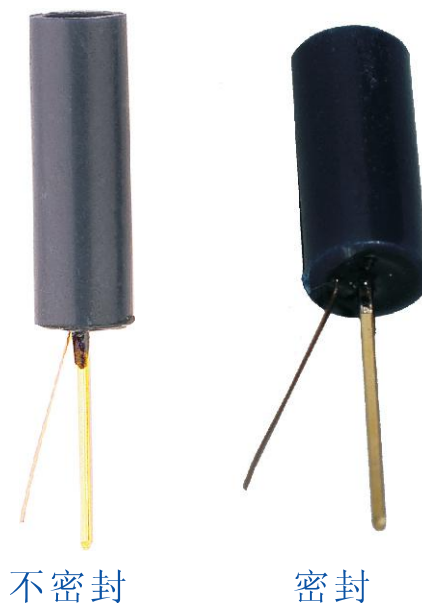
Product Name	File No.	Version	Date	Page
XB-SW-18015,20,25,30振动开关	XB-SW-3D-074	A3	2023.01.30	2/4

■ 功能Function:

- 1、震动检测
vibration detecting

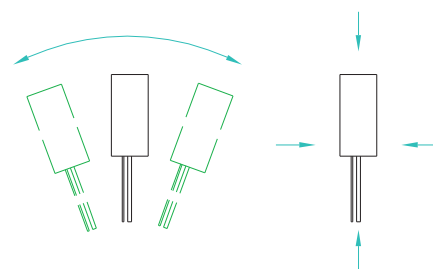
■ 应用产品Applications

- 1、防盗装置 Alarm device
- 2、儿童玩具 Toys
- 3、电子秤 Electronic scale



■ 产品特性Features

- 1、此产品为弹簧型、无方向性振动感应触发开关，任何角度均可触发。
This product is spring type, no directional vibration sensor trigger switch, any angle can trigger
- 2、本系列开关在静止时为开路OFF状态，当受到外力碰触而达到相应振动力时，或移动速度达到适当离(偏)心力时，导电接脚会产生瞬间导通呈瞬间ON状态；当外力消失时，开关恢复为开路OFF状态。
Switch is open circuit OFF-state, when it is static, when external force to touch and corresponding vibration, or movement speed achieve adequate (partial) centrifugal force, conductive pick feet will produce instant conductivity is instant ON-state, when external force disappear, switch back to open circuit OFF-state.
- 3、本系列开关型号末位有 P 字标识的，为完全密封式封装。
Switch have the identification P at the bottom, for completely airtight;



受外力碰触或摇晃而瞬间导通

地址：广东省东莞市黄江合路工业区

Add: Huangjianghe Road Industrial Zone, Dongguan City, Guangdong Province

TEL: 0769-82055138 82056828
http://www.alpsr.cn www.alpsr.com

Fax: 0769-83663452
E-mail:XB@ALPSR.CN

产品规格书Product Details specification

Product Name	File No.	Version	Date	Page
XB-SW-18015,20,25,30振动开关	XB-SW-3D-074	A3	2023.01.30	3/4

■ 电气特性 Electrical characteristics:

1	电压	Voltage	1-6V
2	电流	Current	2uA-10mA
3	导通时间	Conductive time	About 2ms
4	导通方式	Conduction mode	Discontinuous conduction mode 非连续导通
5	开路电阻	Open resistance	>10MΩ

■ 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	300gf 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	胶管	Tube	ABS
2	弹簧	Spring	Phosphorus copper wire
3	导针	Sealing glue	Brass pin, gold-plated
4	封口胶	Sealing glue	Epoxy resin
5	收缩套	Heat shrinkable tube	PET, black/gray

■ 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.

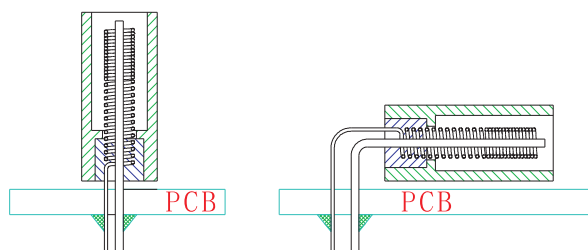
Wave peak solderling (DIP): 250℃ ± 10℃, <5s.

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.



常用装版方式

■ 包装Packaging:

1000PCS/袋 (PVC塑料袋)

地址: 广东省东莞市黄江合路工业区

Add: Huangjianghe Road Industrial Zone, Dongguan City, Guangdong Province

TEL: 0769-82055138 82056828

Fax: 0769-83663452

http://www.alpsr.cn www.alpsr.com

E-mail:XB@ALPSR.CN



产品规格书 Product Details specification

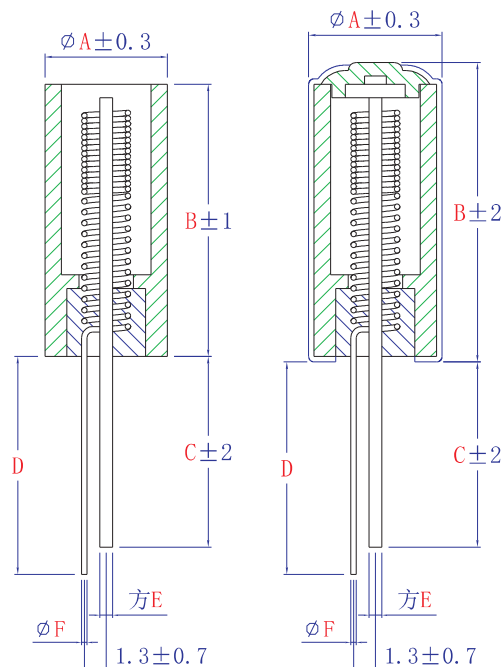
Product Name	File No.	Version	Date	Page
XB-SW-18015,20,25,30 振动开关	XB-SW-3D-074	A3	2023.01.30	4/4

尺寸 SIZE

Unit: mm,
Tolerance ± 0.25

型号	A	B	C	D	E	F	灵敏度	外型封装
SW-18015	4.5	10	8	*	0.5	0.15	敏感	不密封式
SW-18015P	4.8	11	8	*	0.5	0.15	敏感	密封式
SW-18020	4.5	10	8	*	0.5	0.20	标准	不密封式
SW-18020P	4.8	11	8	*	0.5	0.20	标准	密封式
SW-18025	4.5	10	8	*	0.5	0.25	迟钝	不密封式
SW-18025P	4.8	11	8	*	0.5	0.25	迟钝	密封式
SW-18030	4.5	10	8	*	0.5	0.30	更迟钝	不密封式
SW-18030P	4.8	11	8	*	0.5	0.30	更迟钝	密封式

*规格D的尺寸为8-13, 可根据客户要求而定。



不密封

密封

Note 注意事项

- 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。
- In case of fire, Please do not overload applicable.
请勿超负荷使用，以防发生火灾。
- 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。
- 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。
- Do not use solvent wash switch.
勿使用溶剂清洗开关。
- This switch conduction rate of 98% (conductivity rate per 100 times value switch actions, 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）。
- 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。

地址：广东省东莞市黄江合路工业区

Add: Huangjianghe Road Industrial Zone, Dongguan City, Guangdong Province

TEL: 0769-82055138 82056828

http://www.alpsr.cn www.alpsr.com

Fax: 0769-83663452

E-mail: XB@ALPSR.CN