XURUI®

工控产品专业制造商

Professional Manufacture For Industrial Products

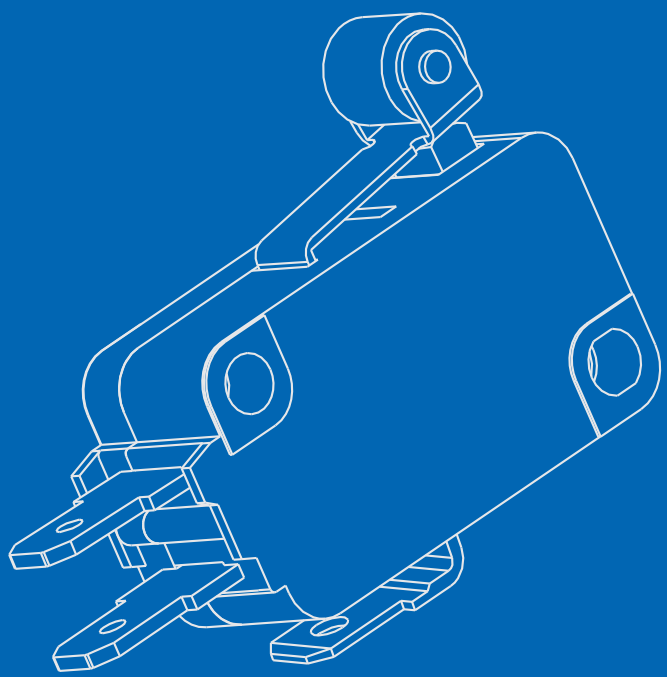
SINCE 2002

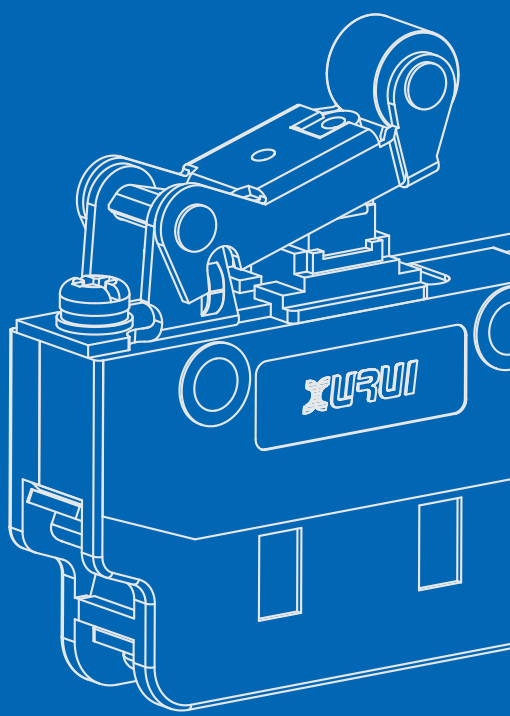
产品选型手册

PRODUCTS CATALOGUE

微动开关系列

Micro Switch Series





浙江旭瑞电子有限公司

ZHEJIANG XURUI ELECTRONIC CO.,LTD



COMPANY PROFILE企业简介

浙江旭瑞电子有限公司成立于2002年，是集研发、生产、销售与服务为一体的工控产品制造商，系国家高新技术企业、浙江省专精特新企业、浙江省信用管理示范企业。公司已荣获50多项专利，5项国家发明专利、1项国际发明专利、40多项实用新型专利，21项省级新产品，且均处于国内领先水平。主要产品有微动开关、固态继电器、行程开关、脚踏开关、钮子开关、水银开关、干簧开关、接近开关等系列产品，在韩国、土耳其、埃及、意大利等都设有直属代理商及售后维护中心，公司已通过ISO9001、ISO14001、ISO45001三大体系认证，国内CCC认证，欧盟CE认证，德国TUV认证，美国UL认证, 韩国KC认证, RoHS环保指令。

2002年：乐清市旭瑞电子有限公司公司成立；
2003年：公司通过ISO9001质量体系认证，XV–15系列微动开关通过国内CCC认证、欧盟CE认证；
2004年：XSS–5、XZ–15系列微动开关，XSSR系列固态继电器、XT系列钮子开关通过国内CCC认证、欧盟CE认证；
2006年：公司变更为温州旭瑞电子有限公司；
2008年：取得自主进出口经营权；
2010年：XV–15、XZ–15系列微动开关，XZ–8系列行程开关、XT系列钮子开关、XF系列脚踏开关通过美国UL认证；
2011年：公司变更为浙江旭瑞电子有限公司；XSS–5微动开关、XZ–9行程开关通过德国TUV认证；
2012年：XT系列钮子开关、XZ8系列行程开关、XF系列脚踏开关通过德国TUV认证；
2013年：XZ7系列行程开关通过德国TUV认证、国内CCC认证；
2014年：公司荣评浙江省科技创新型企业、“中国电器之都”十大创新型企业等；
2015年：公司荣评市企业技术研发中心、市名牌产品、市名牌商标、市专利示范企业、市成长型企业等；
2016年：公司荣评市经信先进单位、省高成长科技型企业，国家高新技术企业、XZ–15系列微动开关、XT系列钮子开关通过韩国KC认证；
2017 年：公司荣评浙江省信用管理示范企业；
2018年：公司荣评市侨青界创业交流基地；
2019年：公司侨迁新址至温州大桥工业园区，钮子开关三极、四极系列通过美国UL认证；
2020年：XES系列电磁式自动复位行程开关、XF防断裂脚踏开关荣评科技型创新成果；
2021年：XCSK、XW系列磁吹灭弧微动开关、XSSR–JK系列集成监控固态继电器投入市场；
2022年：企业科协成立、XV、XWS防水微动开关通过CCC并投入市场；
2023年：行程开关组荣获“工人先锋号”称号，XEL电磁锁安全门开关、车库门开关上线；
2024年：公司荣评浙江省专精特新企业，XSSR–H、XSSR–3H单相三相一体化固态继电器通过国内外认证并投入市场。

本公司本着“以科技创造未来，以精品回报社会”，“质量第一，客户至上”的原则竭诚欢迎国内外客户来电来函，我们会以优质的服务让您满意，让我们携手，共创美好未来。

Founded in 2002, **Zhejiang XURUI Electronic Co., Ltd**. is a leading manufacturer of industrial control products, integrating R&D, production,sales,and service. Recognized as a National High-Tech Enterprise,a Zhejiang Provincial Specialized and Innovative Enterprise,and a Zhejiang Provincial Credit Management Model Enterprise,XURUI has achieved over 50 patents,including 5 national invention patents, 1 international invention patent,and 40+utility model patents.We have also introduced 21 provincial-level new products,all of which are at the forefront of domestic technology.Our main products include micro switches, solid-state relays, limit switches, foot switches,toggle switches, mercury switches,reed switches,and proximity switches.Our products are widely distributed across the globe, with authorized agents and after-sales service centers in South Korea,Turkey,Egypt,Italy, and other regions.Certified to ISO9001, ISO14001, ISO45001 three system certification, our products also meet various standards, including CCC, CE, TUV, UL, KC, and RoHS compliance.

- 2002: Established Yueqing XURUI Electronic Co., Ltd.
- 2003: Achieved ISO9001 certification; XV-15 micro switch series certified by CCC and CE.
- 2004: Key products,including the XSS-5 and XZ-15 micro switches,XSSR solid-state relays,and XT toggle switches,certified by CCC and CE.
- 2006: Renamed to Wenzhou XURUI Electronic Co., Ltd.
- 2008: Obtained independent import and export rights.
- 2010: Products such as the XV-15 and XZ-15 micro switches earned UL certification.
- 2011: Renamed to Zhejiang XURUI Electronic Co., Ltd.; XSS-5 micro switch certified by TUV.
- 2012: XT series toggle switch, XZ8 series travel switch, XF series foot switch passed the German TUV certification;
- 2013: XZ7 series travel switch passed German TUV certification, domestic CCC certification;
- 2014: The company was honored as Zhejiang Science and Technology Innovative Enterprise,"China Electrical Appliance Ca-pital" ten innovative enterprises, etc.
- 2015: The company honors the city enterprise Technology Research and development Center, the city famous brand products, the city famous brand trademarks, the city patent demonstration enterprises, the city growth enterprises, etc.
- 2016: The company honors the advanced unit of the city economy and information, the provincial high growth technology enterprise, the national high-tech enterprise, XZ-15 series micro switch, XT series button switch through the Korean KC certification;
- 2017: The company was honored as Zhejiang Credit Management Demonstration Enterprise;
- 2018: Company Rongping City overseas Chinese Qingjie entrepreneurial exchange base;
- 2019: The company moved to Wenzhou Bridge Industrial Park, toggle switch three pole, four pole series through the United States UL certification;
- 2020: XES series electromagnetic automatic reset stroke switch, XF anti-fracture foot switch honors scientific and technological innovation achievements;
- 2021: XCSK, XW series magnetic blow-out micro switch, XSSR-JK series integrated monitoring solid state relay put into the market;
- 2022: Establishment of Enterprise Science Association, XV, XWS waterproof micro switch through CCC and put into the market;
- 2023: Travel switch group won the title of "Worker pioneer", XEL electromagnetic lock safety door switch, garage door switch online;
- 2024: The company was honored as a specialized and special new enterprise in Zhejiang Province,and XSSR-H and XSSR-3H single-phase three-phase integrated solid-state relays were certified at home and abroad and put into the market.

At XURUI, we embrace the philosophy of "Creating the future with technology and giving back to society with excellence." Committed to "Quality First, Customer Supreme," we warmly welcome partners and clients from around the world to collaborate with us. With premium services and top-quality products, we aim to build a brighter future together.

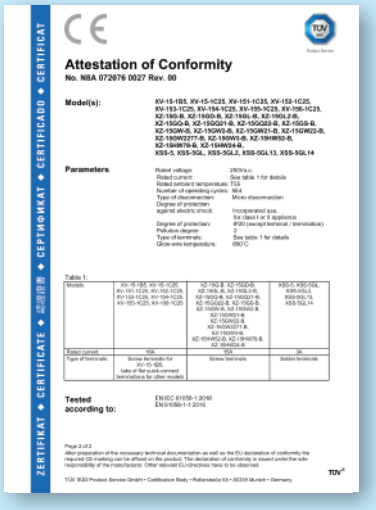
企业资质 CERTIFICATE





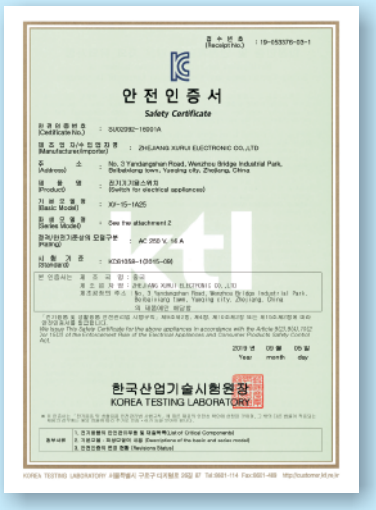






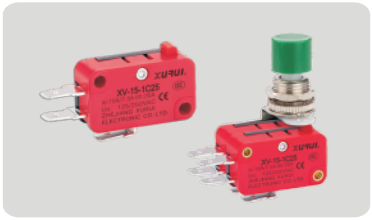




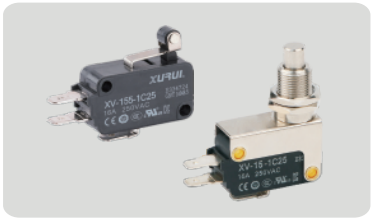




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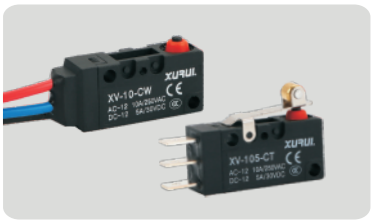
XV-15 (红色Red) P01-04



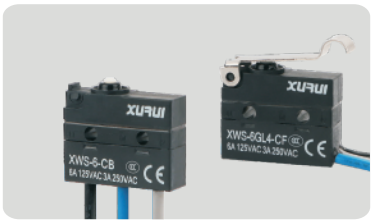
XV-15 (黑色Black) P05-09



XSS-5 微动开关 Microswitch P10-12



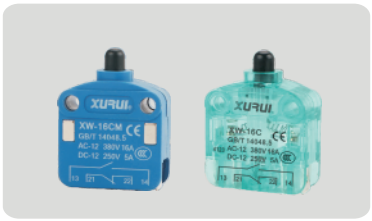
XV-10 防水微动开关 Waterproof Micro Switch P13-15



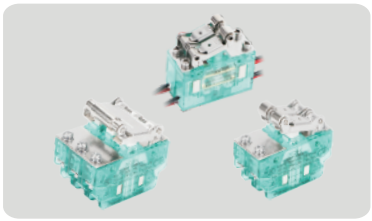
XWS-6 防水微动开关 Waterproof Micro Switch P16-18



XZ-15 微动开关 Microswitch P19-23



XW-16 微动开关 Micro Switch P24-26

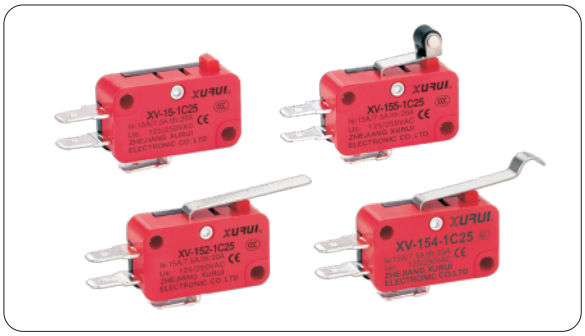


XCSK 磁吹微动开关 Magnetic Micro Switch P27-30

XV-15 微动开关 MICROSWITCH

- 采用热塑性塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。

- Adopt thermosetting plastic or thermoplastic;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment ,automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.

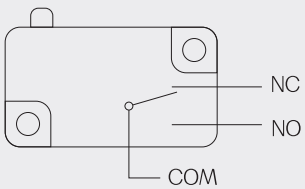


□ 型号含义 Model & Meanings

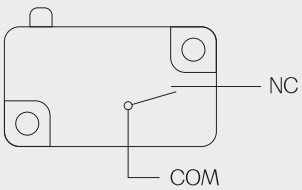
X V - 15 5 - 1C 25

- 端子形式 Terminal Form
  - 25: 插销端子 Bolt terminal
- 接点形式 Contact Form
  - 1A: 常开型 NO type
  - 1B: 常闭型 NC type
  - 1C: 双投型 NO+NC type
- 传动轴类型 Drive Type
  - 无: 按钮型 Pin plunger type
  - 1: 枢轴短手柄型 Short straight lever type
  - 2: 枢轴手柄型 Straight lever type
  - 3: 枢轴长手柄型 Long straight lever type
  - 4: 枢轴R手柄型 Simulated R lever type
  - 5: 枢轴滚筒短手柄型 Short roller lever type
  - 6: 枢轴滚筒手柄型 Roller lever type
- 设计类型 Design Type
- 微动开关类型 Microswitch Type Code
- 企业代号 Company Code

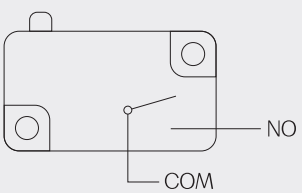
□ 触点形式 Contact Forms



双投型
SPDT(1C)



常闭型
SPST-NC(1B)



常开型
SPST-NO(1A)

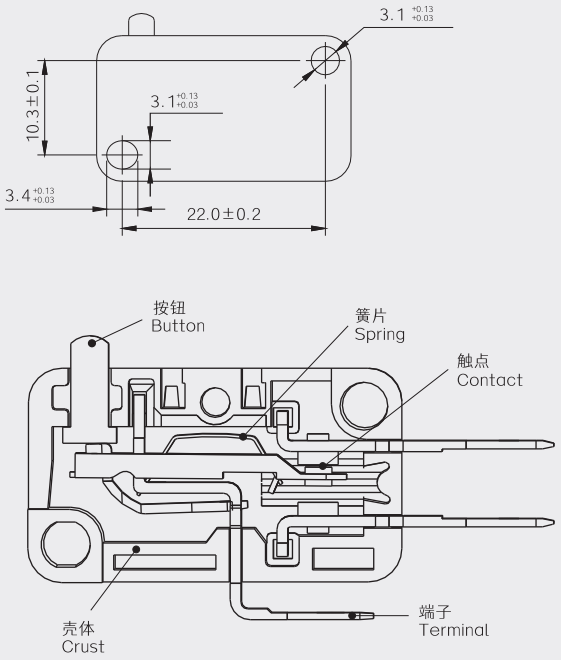
□ 性能参数 Specification

项　目 Item		参数值 Data
操作速度 Operating speed		0.1mm-1m/s
操作频率 Operating frequency	机　械 Mechanical	600次/分 600times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100MΩ以上(Above) DC500V
接触电阻 Contact resistance		25mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　气 Electrical	100,000次以上 above
	机　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP40
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

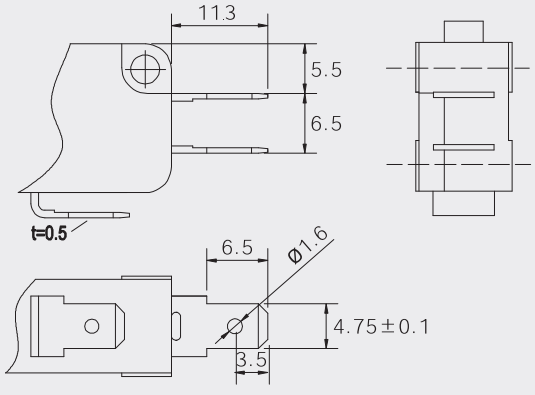
□ 额定值 Rating

额定电压Ue(V)	额定电流Ie(A)	发热电流Ith(A)
AC-250	7.5	10
AC-125	15	20
DC-250	0.3	0.45
DC-125	0.6	0.75

□ 安装孔尺寸及结构图 Mounting Hole Dimensions &Structure



□ 端子类形 Terminal Forms



#187

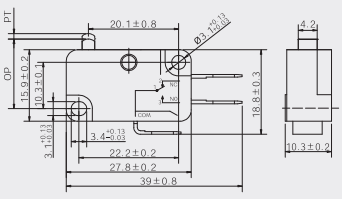
□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号	Models	XV-15-1C25	XV-151-1C25	XV-152-1C25	XV-153-1C25	XV-154-1C25	XV-155-1C25	XV-156-1C25	XV-15-1A25	XV-15-1B25
动作力	OF max.	200gf(1.96N)	200gf(1.96N)	125gf(1.23N)	70gf(0.69N)	125gf(1.23N)	200gf(1.96N)	125gf(1.23N)	200gf(1.96N)	200gf(1.96N)
回复力	RF min.	50gf(0.49N)	50gf(0.49N)	14gf(0.14N)	6gf(0.06N)	14gf(0.14N)	50gf(0.49N)	14gf(0.14N)	50gf(0.49N)	50gf(0.49N)
预行程	PT max.	1.2mm	1.2mm	2.8mm	6.0mm	2.8mm	1.2mm	3.0mm	1.2mm	1.2mm
超行程	OT min.	0.6mm	0.6mm	1.0mm	2.6mm	1.0mm	0.8mm	1.2mm	0.6mm	0.6mm
差行程	MD max.	0.3mm	0.5mm	0.8mm	2.0mm	0.8mm	0.5mm	0.8mm	0.3mm	0.3mm
动作位置	OP	14.7±0.5mm	15.2±0.5mm	15.2±1.2mm	15.2±2.6mm	18.3±1.2mm	20.5±0.6mm	20.5±1.2mm	14.7±0.5mm	14.7±0.5mm

型号	Models	XV-15-VAL2-A	XV-15-VAL2-B	XV-15-VAL2-C	XV-15-VAL2-D	DS438X-3BJ	DS438	DS448
动作力	OF max.	200gf(1.96N)	200gf(1.96N)	400gf(3.92N)	200gf(1.96N)	200gf(1.96N)	200gf(1.96N)	400gf(3.92N)
回复力	RF min.	80gf(0.78N)	50gf(0.49N)	80gf(0.78N)	50gf(0.49N)	50gf(0.49N)	50gf(0.49N)	80gf(0.78N)
预行程	PT max.	1.4mm	1.2mm	1.2mm	1.28mm	1.2mm	1.2mm	1.2mm
超行程	OT min.	0.8mm	0.6mm	0.6mm	0.6mm	0.6mm	0.6mm	0.6mm
差行程	MD max.	0.5mm	0.5mm	0.5mm	0.5mm	0.3mm	0.5mm	0.5mm
动作位置	OP	20.5±0.6mm	21.3±0.4mm	21.3±0.4mm	7.3±0.5mm	27±0.5mm	21.3±0.4mm	21.3±0.4mm

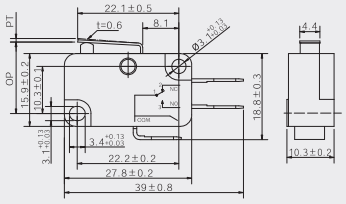
· 按钮型
XV-15-1C25





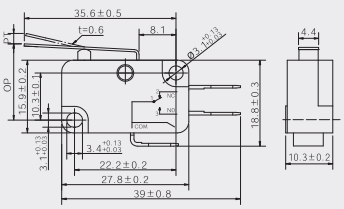
· 枢轴短手柄型
XV-151-1C25





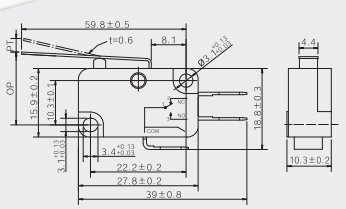
· 枢轴手柄型
XV-152-1C25





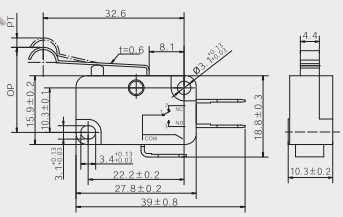
· 枢轴长手柄型
XV-153-1C25





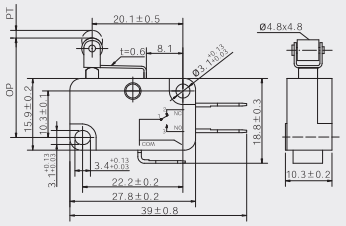
· 枢轴R手柄型
XV-154-1C25





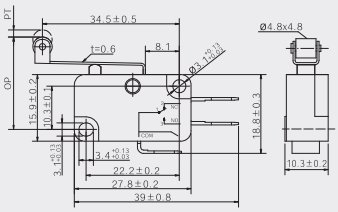
· 枢轴滚轮短手柄型
XV-155-1C25





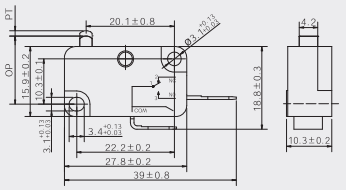
· 枢轴滚轮手柄型
XV-156-1C25





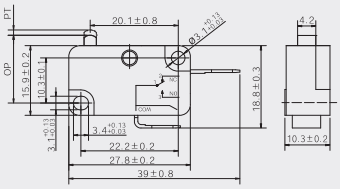
· 常开型
XV-15-1A25





· 常闭型
XV-15-1B25

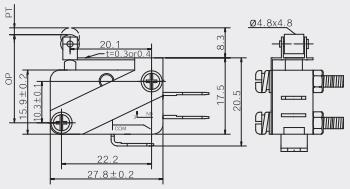




· 枢轴外装滚轮手柄型（不锈钢）
XV-15-VAL2-A



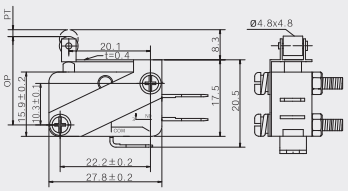
可配#250端子
或做1A、1B型



· 枢轴外装滚筒手柄型（铜）
XV-15-VAL2-B



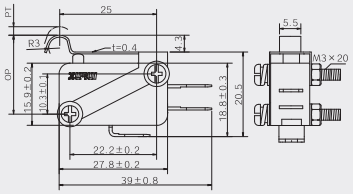
可配#250端子
或做1A、1B型



· 枢轴外装R手柄型（双边）
XV-15-VAL2-C



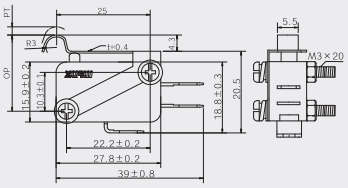
可配#250端子
或做1A、1B型



· 枢轴外装R手柄型（单边）
XV-15-VAL2-D

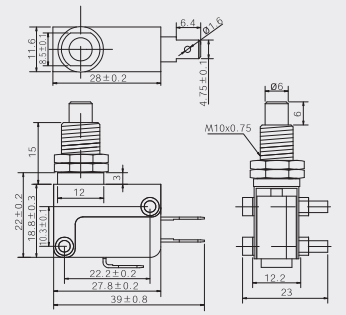


可配#250端子
或做1A、1B型



· 按键型
DS438X-3BJ

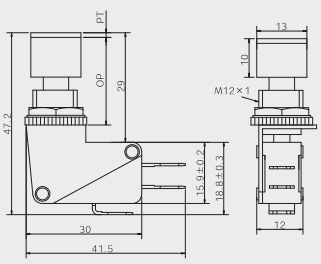




· 按键型
DS438



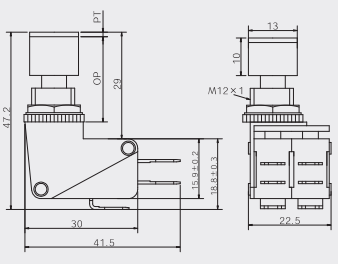
Available in four colors 四色可选



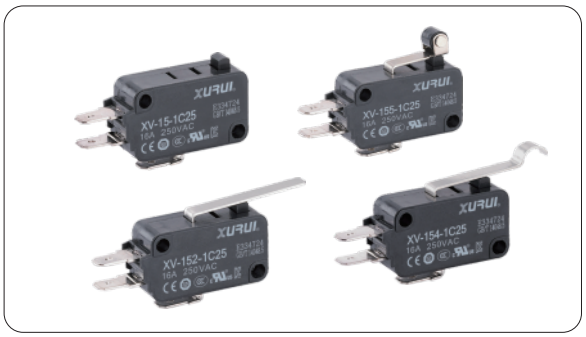
· 按键型
DS448



Available in four colors 四色可选



- 采用热塑性塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。
- Adopt thermosetting plastic or thermoplastic;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment ,automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.



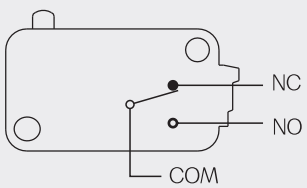
RoHS

□ 型号含义 Model & Meanings

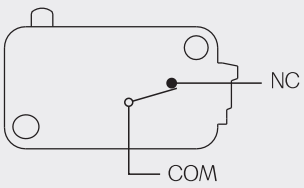
X V - 15 5 - 1C 25

- 端子形式 Terminal Form
  - 25：插销端子 Bolt terminal
- 接点形式 Contact Form
  - 1A：常开型 NO type　　2A：常开型X2 NO type X2
  - 1B：常闭型 NC type　　2B：常闭型X2 NC type X2
  - 1C：双投型 NO+NC type　　2C：双投型X2 NO+NC type X2
- 传动轴类型 Drive Type
  - 无：按钮型 Pin plunger type
  - 1：枢轴短手柄型 Short straight lever type
  - 2：枢轴手柄型 Straight lever type
  - 3：枢轴长手柄型 Long straight lever type
  - 4：枢轴R手柄型 Simulated R lever type
  - 5：枢轴滚筒短手柄型 Short roller lever type
  - 6：枢轴滚筒手柄型 Roller lever type
- 设计类型 Design Type
- 微动开关类型 Micro Switch Type Code
- 企业代号 Company Code

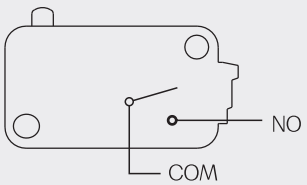
□ 触点形式 Contact Forms



双投型
SPDT(1C)
DPDT(2C)



常闭型
SPST-NC(1B)
DPST-NC(2B)



常开型
SPST-NO(1A)
DPST-NO(2A)

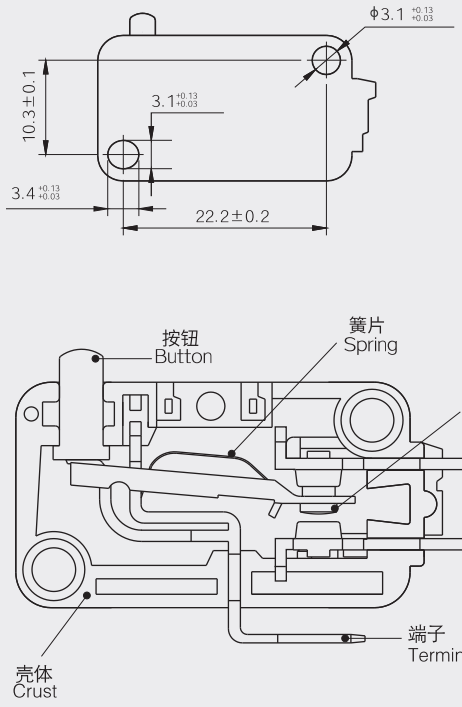
□ 性能参数 Specification

项　目 Item		参数值 Data
操作速度 Operating speed		0.1mm-1m/s
操作频率 Operating frequency	机　械 Mechanical	600次/分 600times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100MΩ以上(Above) DC500V
接触电阻 Contact resistance		25mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　气 Electrical	100,000次以上 above
	机　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP40
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

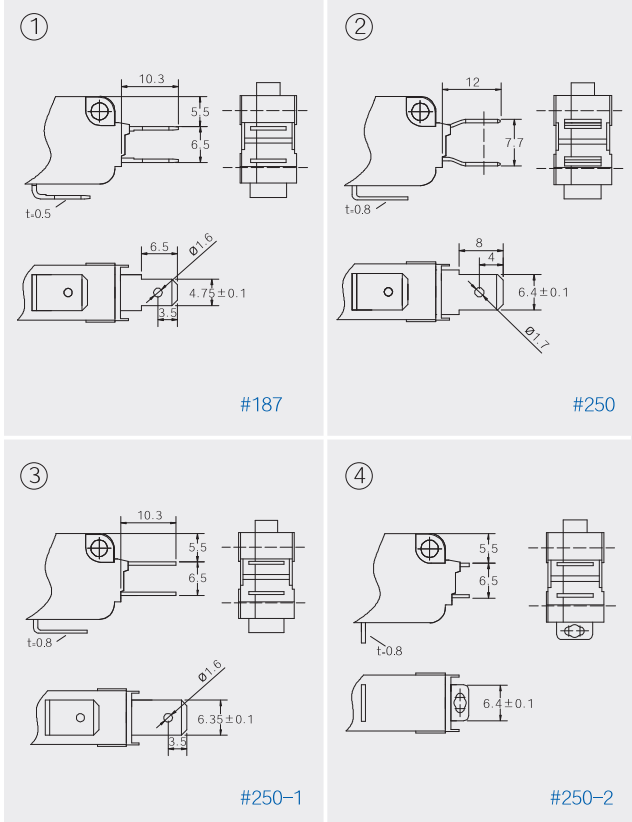
□ 额定值 Rating

额定电压Ue(V)	额定电流Ie(A)	发热电流Ith(A)
AC-250	16	20
AC-250	20	25

□ 安装孔尺寸及结构图 Mounting Hole Dimensions &Structure



□ 端子类形 Terminal Forms



□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

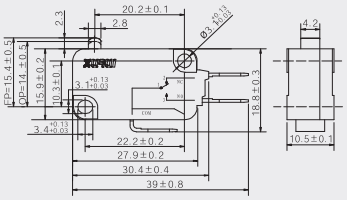
型号 Models	XV-15-1C25	XV-151-1C25	XV-152-1C25	XV-153-1C25	XV-154-1C25	XV-155-1C25	XV-156-1C25	XV-15-1A25	XV-15-1B25
动作力 OF max.	200gf(1.96N)	200gf(1.96N)	125gf(1.23N)	70gf(0.69N)	125gf(1.23N)	200gf(1.96N)	125gf(1.23N)	200gf(1.96N)	200gf(1.96N)
回复力 RF min.	50gf(0.49N)	50gf(0.49N)	14gf(0.14N)	6gf(0.06N)	14gf(0.14N)	50gf(0.49N)	14gf(0.14N)	50gf(0.49N)	50gf(0.49N)
预行程 PT max.	1.2mm	1.2mm	2.8mm	6.0mm	2.8mm	1.2mm	3.0mm	1.2mm	1.2mm
超行程 OT min.	0.6mm	0.6mm	1.0mm	2.6mm	1.0mm	0.8mm	1.2mm	0.6mm	0.6mm
差行程 MD max.	0.3mm	0.5mm	0.8mm	2.0mm	0.8mm	0.5mm	0.8mm	0.3mm	0.3mm
动作位置 OP	14.7±0.5mm	15.2±0.5mm	15.2±1.2mm	15.2±2.6mm	18.3±1.2mm	20.5±0.6mm	20.5±1.2mm	14.7±0.5mm	14.7±0.5mm

型号 Models	XV-15-2C25	XV-152-2B25	XV-152-2C25	XV-155-2C25	XV-156-2C25
动作力 OF max.	400gf(3.92N)	200gf(1.96N)	200gf(1.96N)	400gf(3.92N)	250gf(2.45N)
回复力 RF min.	80gf(0.78N)	50gf(0.49N)	50gf(0.49N)	80gf(0.78N)	60gf(0.59N)
预行程 PT max.	1.2mm	3.0mm	3.0mm	1.2mm	2.8mm
超行程 OT min.	0.6mm	0.8mm	0.8mm	0.6mm	1.6mm
差行程 MD max.	0.5mm	1.8mm	1.8mm	0.5mm	1.6mm
动作位置 OP	14.7±0.4mm	15.6±0.8mm	15.6±0.8mm	21.3±0.6mm	22.6±1.2mm

型号 Models	DS438	DS448	DS438X	DS438X-2	DS438X-3	DS438X-3B	DS438X-3BL	DS438X-3C	DS438X-4(V)
动作力 OF max.	200gf(1.96N)	400gf(3.92N)	125gf(1.23N)	200gf(1.96N)	200gf(1.96N)	200gf(1.96N)	200gf(1.96N)	200gf(1.96N)	200gf(1.96N)
回复力 RF min.	50gf(0.49N)	80gf(0.78N)	14gf(0.14N)	50gf(0.49N)	50gf(0.49N)	50gf(0.49N)	50gf(0.49N)	50gf(0.49N)	50gf(0.49N)
预行程 PT max.	1.2mm	1.2mm	2.8mm	4.0mm	1.2mm	1.2mm	1.2mm	1.2mm	1.2mm
超行程 OT min.	0.6mm	0.6mm	1.0mm	1.0mm	0.6mm	0.6mm	0.6mm	0.6mm	0.6mm
差行程 MD max.	0.5mm	0.5mm	0.8mm	2.0mm	0.3mm	0.3mm	0.3mm	0.3mm	0.3mm
动作位置 OP	21.3±0.4mm	21.3±0.4mm	15.2±1.2mm	43±0.5mm	27±0.5mm	27±0.5mm	35±0.5mm	27±0.5mm	14.7±0.5mm

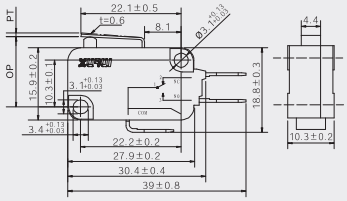
· 按钮型
XV-15-1C25





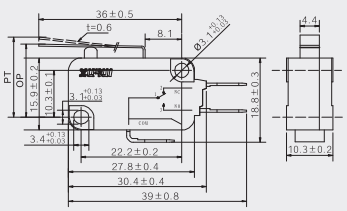
· 枢轴短手柄型
XV-151-1C25





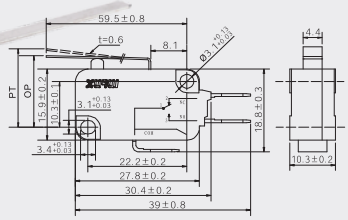
· 枢轴手柄型
XV-152-1C25





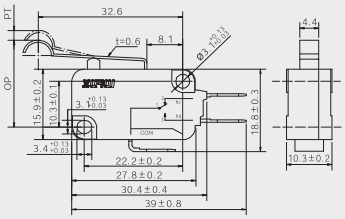
· 枢轴长手柄型
XV-153-1C25





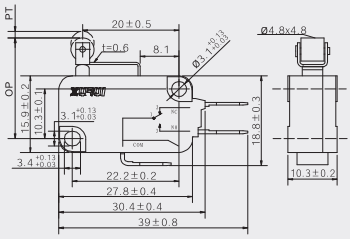
· 枢轴R手柄型
XV-154-1C25





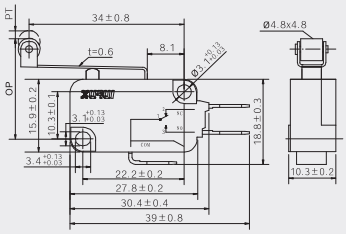
· 枢轴滚筒短手柄型
XV-155-1C25





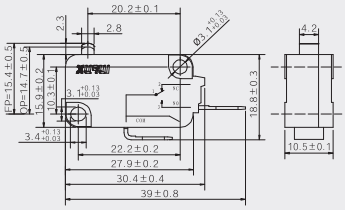
· 枢轴滚筒手柄型
XV-156-1C25





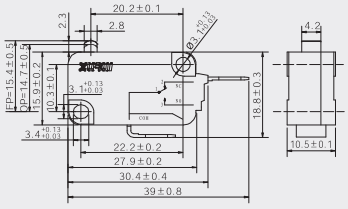
· 常开型
XV-15-1A25





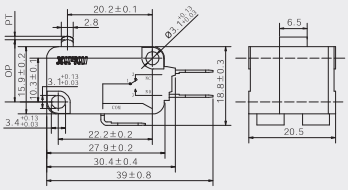
· 常闭型
XV-15-1B25





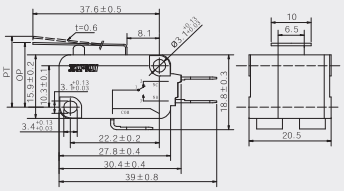
· 组合按钮型
XV-15-2C25





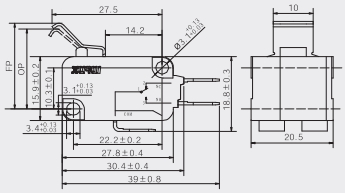
· 组合枢轴手柄型
XV-152-2C25



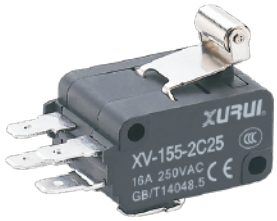


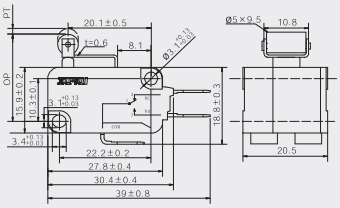
· 组合枢轴手柄型
XV-152-2C25(Y)





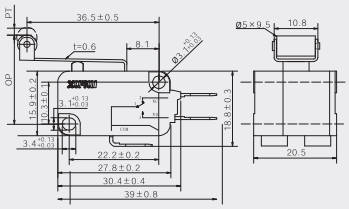
· 组合滚轮短手柄型
XV-155-2C25





· 组合枢轴滚筒手柄型
XV-156-2C25

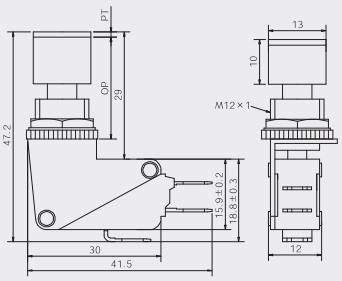




· 按钮型
DS438



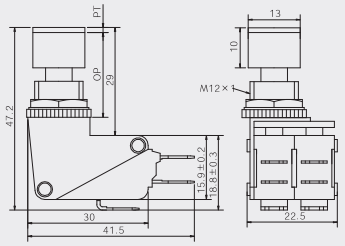
Available in four colors 四色可选



· 按钮型
DS448

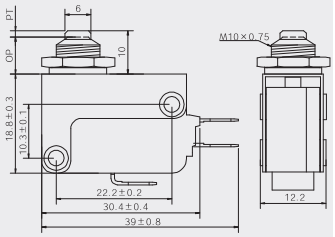


Available in four colors 四色可选



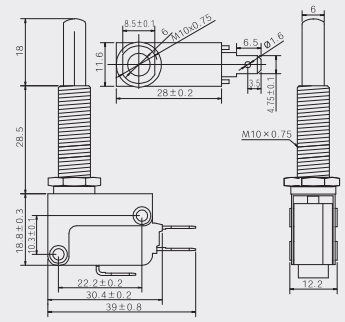
· 按钮型
DS438X





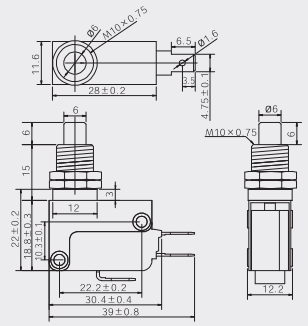
· 按钮型
DS438X-2





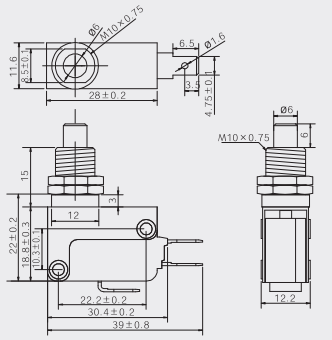
· 按钮型
DS438X-3





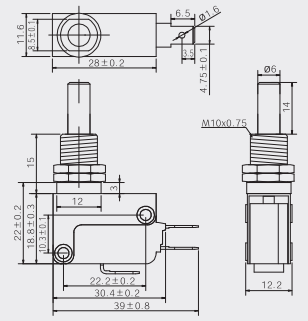
· 按钮型
DS438X-3B





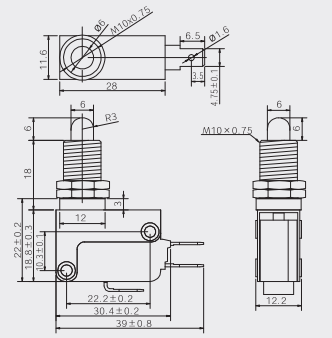
· 按钮型
DS438X-3BL





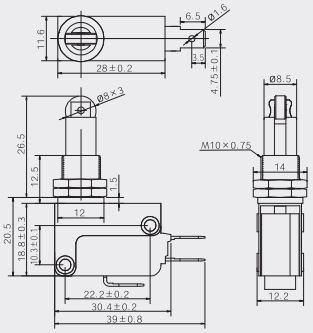
· 按钮型
DS438X-3C





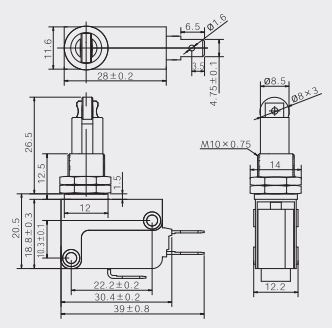
· 按钮型
DS438X-4





· 按钮型
DS438X-4V





- 采用热固性或热塑性塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。

- Adopt thermosetting plastic or thermoplastic;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment ,automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.

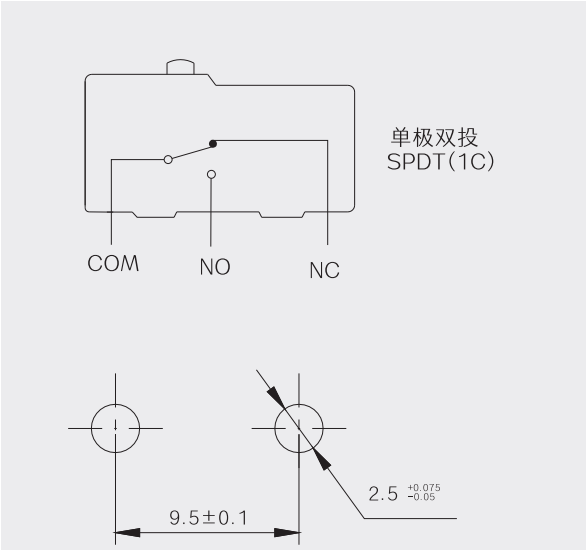


□型号含义 Model & Meanings

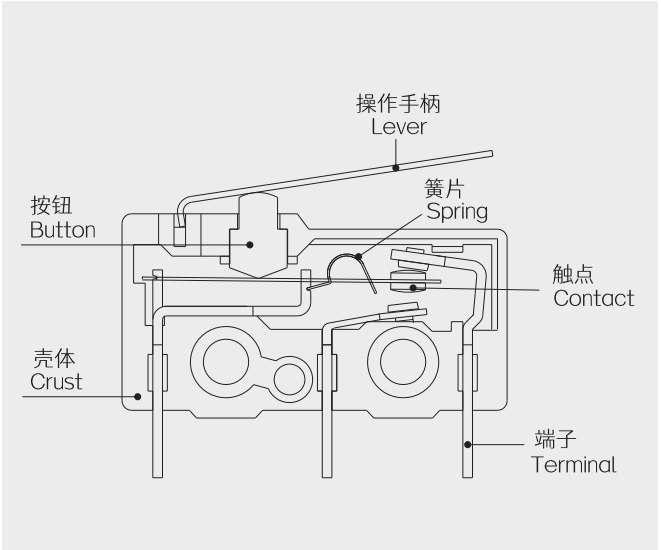
X SS - 5 GL2

- GL2 — 传动轴类型 Drive Type
  - 无: 按钮型 Pin plunger type
  - GL: 枢轴手柄型 Straight lever type
  - GL2: 枢轴滚筒手柄型 Short roller lever type
  - GL13: 枢轴R手柄型 Simulated R lever type
  - Gl14: 枢轴刃形手柄型 Knife-edge lever type
- 5 — 额定电流 Rating Current
- SS — 微动开关类型 Micro Switch Type Code
- X — 企业代号 Company Code

□触点形式及安装孔尺寸 Contact Form



□产品结构图 Product Structure



□ 性能参数 Specification

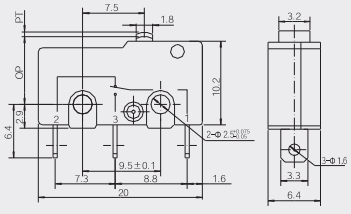
项　目 Item		参数值 Data
额定负荷 Rating load		5A/125VAC,3A/250VAC
操作速度 Operation speed		0.1mm-1m/s
操作频率 Operation frequency	机　械 Mechanical	400次/分 400times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100mΩ以上(Above) DC500V
接触电阻 Contact resistance		30mΩ初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　　气 Electrical	100,000次以上 above
	机　　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP40
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号　Models	XSS-5	XSS-5GL	XSS-5GL-2	XSS-5GL-3	XSS-5GL2	XSS-5GL13	XSS-5GL13-2	XSS-5GL14	DS428
动作力　OF max.	160gf(1.57N)	70gf(0.7N)	90gf(0.9N)	20gf(0.2N)	70gf(0.7N)	70gf(0.7N)	70gf(0.7N)	80gf(0.78N)	160gf(1.57N)
回复力　RF min.	25gf(0.25N)	10gf(0.1N)	14gf(0.14N)	5gf(0.05N)	10gf(0.1N)	10gf(0.1N)	10gf(0.1N)	10gf(0.1N)	25gf(0.25N)
预行程　PT max.	0.6mm	2.2mm	1.6mm	4.0mm	2.6mm	2.8mm	2.0mm	2.2mm	0.6mm
超行程　OT min.	0.5mm	0.5mm	0.8mm	0.6mm	0.8mm	0.8mm	0.8mm	1.6mm	0.5mm
差行程　MD max.	0.3mm	0.5mm	0.5mm	0.6mm	0.8mm	0.8mm	0.8mm	0.4mm	0.3mm
动作位置　OP	8.4±0.5mm	8.8±0.6mm	15.2±0.5mm	9.0±1.2mm	14.5±0.5mm	10.1±0.6mm	12.5±0.6mm	25.1±0.8mm	14.7±0.4mm

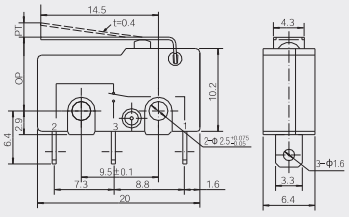
· 按钮型
XSS-5





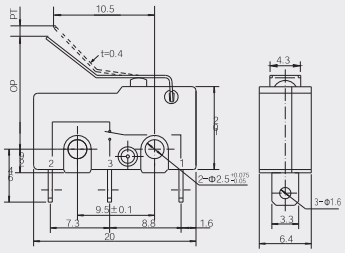
· 枢轴手柄型
XSS-5GL



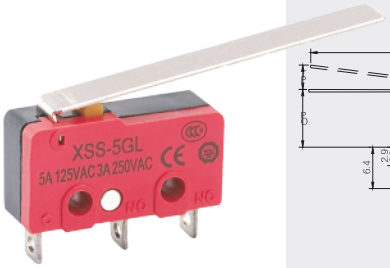


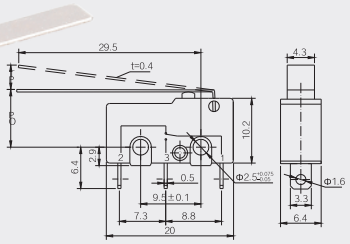
· 枢轴手柄型
XSS-5GL-2





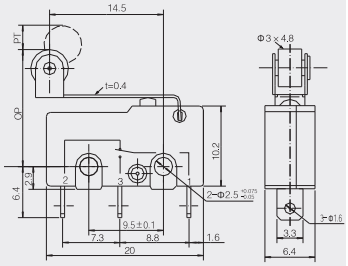
· 枢轴手柄型
XSS-5GL-3





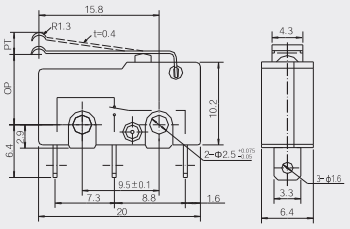
· 枢轴滚筒手柄型
XSS-5GL2





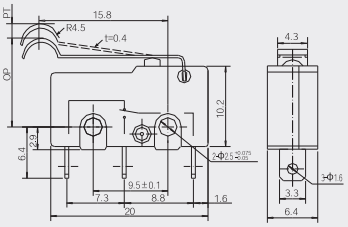
· 枢轴R手柄型
XSS-5GL13





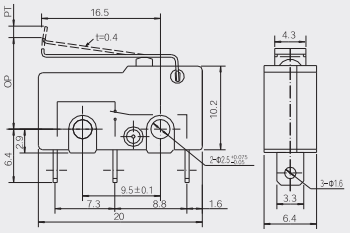
· 枢轴R手柄型
XSS-5GL13-2



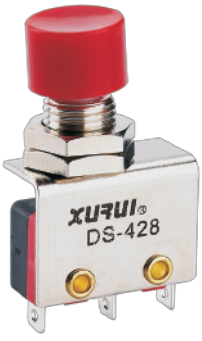


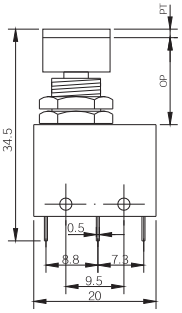
· 枢轴刃形手柄型
XSS-5GL14

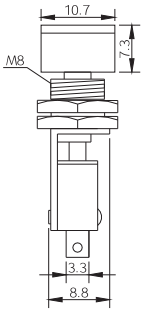




· 按键型
DS428





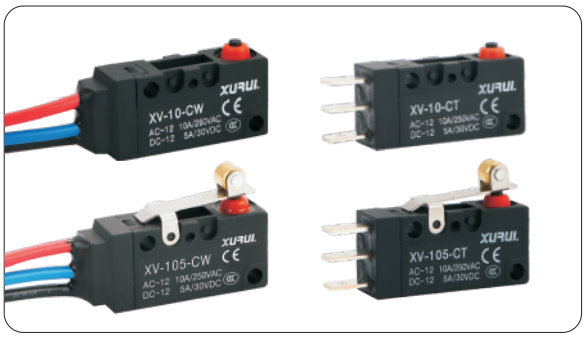


● ● 两种颜色可选 Two colors to choose from

XV-10 防水微动开关
WATERPROOF MICRO SWITCH

- 本产品采用热固性或热塑性塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。

- Adopt thermosetting plastic or thermoplastic;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment ,automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.



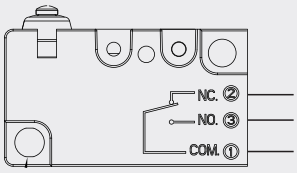
RoHS

□ 型号含义 Model & Meanings

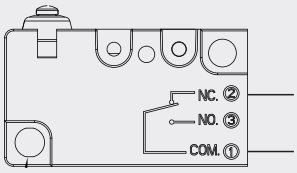
X V - 10 2 - C W

- 端子形式 Terminal Form
  - T： 端子型 With terminal type
  - W： 导线型 With wire type
- 接点形式 Contact Form
  - A：常开型 NO type
  - B：常闭型 NC type
  - C：双投型 NO+NC type
- 传动轴类型 Drive Type
  - 无：按钮型 Pin plunger type
  - 1：枢轴短手柄型 Short straight lever type
  - 2：枢轴手柄型 Straight lever type
  - 3：枢轴长手柄型 Long straight lever type
  - 4：枢轴R手柄型 Simulated R lever type
  - 5：枢轴滚筒短手柄型 Short roller lever type
  - 6：枢轴滚筒手柄型 Roller lever type
- 额定电流16A Rating Current 16A
- 微动开关类型 Micro Switch Type Code
- 企业代号 Company Code

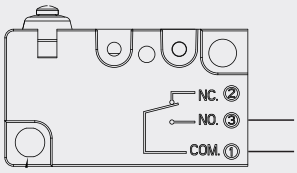
□ 触点形式 Contact Forms



双投型
SPDT(1C)



常闭型
SPST-NC(1B)



常开型
SPST-NO(1A)

□ 性能参数 Specification

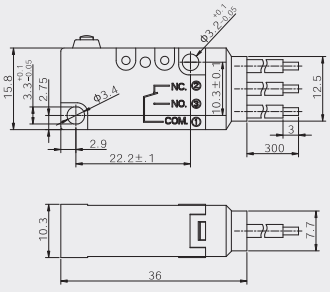
项　目 Item		参数值 Data
额定负荷 Rating load		AC-12 10A/250VAC,DC-12 5A/30VDC
操作频率 Operation frequency	机　械 Mechanical	60次/分 60times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100mΩ以上(Above) DC500V
接触电阻 Contact resistance		100mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　　气 Electrical	100,000次以上 above
	机　　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP67
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号 Models	XV-10-CW	XV-101-CW	XV-102-CW	XV-103-CW	XV-104-CW	XV-105-CW	XV-106-CW
动作力 OF max.	350gf(3.43N)	350gf(3.43N)	200gf(1.96N)	100gf(0.98N)	200gf(1.96N)	350gf(3.43N)	200gf(1.96N)
回复力 RF min.	100gf(0.98N)	100gf(0.98N)	50gf(0.98N)	20gf(0.2N)	50gf(0.49N)	100gf(0.98N)	50gf(0.49N)
预行程 PT max.	1.2mm	1.2mm	2.8mm	6.0mm	2.8mm	1.2mm	3.0mm
超行程 OT min.	0.6mm	0.6mm	1.0mm	2.6mm	1.0mm	0.8mm	1.2mm
差行程 MD max.	0.3mm	0.5mm	0.8mm	2.0mm	0.8mm	0.5mm	0.8mm
动作位置 OP	14.7±0.5mm	15.2±0.5mm	15.2±1.2mm	15.2±2.6mm	18.3±1.2mm	20.5±0.6mm	20.5±1.2mm

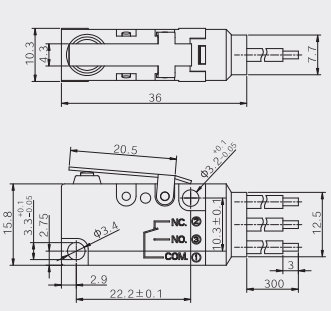
· 按钮型
XV-10-CW





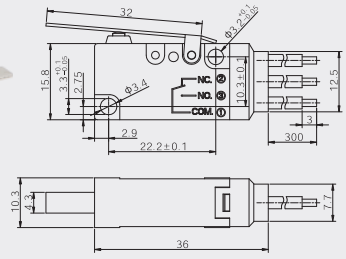
· 枢轴短手柄型
XV-101-CW





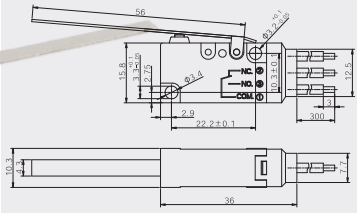
· 枢轴手柄型
XV-102-CW





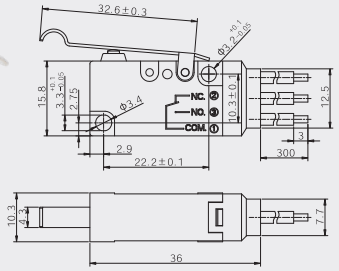
· 枢轴长手柄型
XV-103-CW





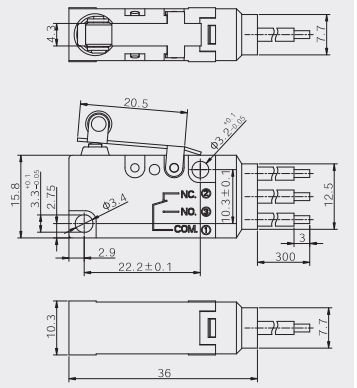
· 枢轴R手柄型
XV-104-CW





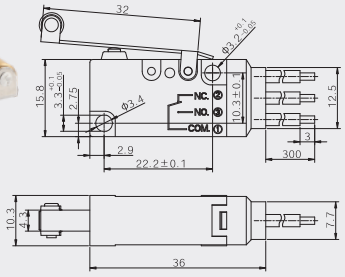
· 枢轴滚筒短手柄型
XV-105-CW





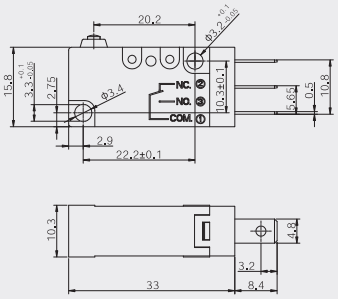
· 滚筒枢轴手柄型
XV-106-CW





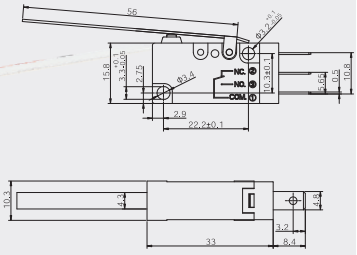
· 按钮型
XV-10-CT





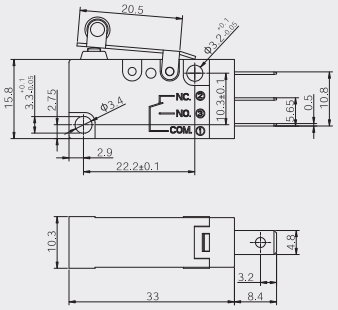
· 枢轴长手柄型
XV-103-CT





· 滚筒枢轴短手柄型
XV-105-CT





XWS-6 防水微动开关 WATERPROOF MICRO SWITCH

- 采用热固性或热塑性塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。

- Adopt thermosetting plastic or thermoplastic;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment ,automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.

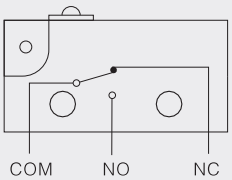


□型号含义 Model & Meanings

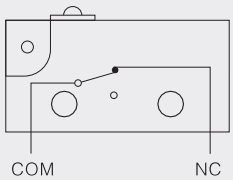
X WS - 6 GL2 - C - B

- 引线位置 Lead Position
  - B：底部引线 Bottom lead
  - F：侧面引线 Flank lead
- 接点形式 Contact Form
  - A：常开型 NO type
  - B：常闭型 NC type
  - C：双投型 NO+NC type
- 传动轴类型 Drive Type
  - 无：按钮型 Pin plunger type
  - GL：枢轴手柄型 Straight lever type
  - GL2：枢轴滚筒手柄型 Short roller lever type
  - GL3：枢轴长手柄型 Straight long lever type
  - GL4：枢轴R手柄型 Simulated R lever type
- 额定电流 Rating Current
- 微动开关类型 Micro Switch Type Code
- 企业代号 Company Code

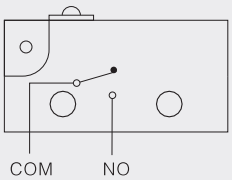
□ 触点形式 Contact Forms



双投型
SPDT(1C)



常闭型
SPST-NC(1B)



常开型
SPST-NO(1A)

□ 性能参数 Specification

项　目 Item		参数值 Data
额 定 值 Rating		6A/125VAC,3A/250VAC
操作频率 Operation frequency	机　械 Mechanical	60次/分 60times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100mΩ以上(Above) DC500V
接触电阻 Contact resistance		100mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　气 Electrical	100,000次以上 above
	机　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP67
使用温度 Operating temperature		-20~+60℃
使用湿度 Operating humidity		<85%

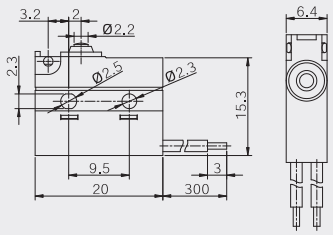
□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号 Models	XWS-6-CF	XWS-6GL-CF	XWS-6GL2-CF	XWS-6GL3-CF	XWS-6GL4-CF
动作力 OF max.	300gf(2.94N)	100gf(0.98N)	100gf(0.98N)	40gf(0.39N)	80gf(0.78N)
回复力 RF min.	80gf(0.78N)	20gf(0.2N)	20gf(0.2N)	8gf(0.08N)	15gf(0.15N)
预行程 PT max.	0.6mm	2.2mm	2.6mm	4.0mm	2.0mm
超行程 OT min.	0.5mm	0.5mm	0.8mm	0.6mm	0.8mm
差行程 MD max.	0.3mm	0.5mm	0.8mm	0.6mm	0.8mm
动作位置 OP	8.4±0.5mm	8.8±0.6mm	14.5±0.5mm	9.0±1.2mm	12.5±0.8mm

型号 Models	XWS-6-CB	XWS-6GL-CB	XWS-6GL2-CB	XWS-6GL3-CB	XWS-6GL4-CB
动作力 OF max.	300gf(2.94N)	100gf(0.98N)	100gf(0.98N)	40gf(0.39N)	80gf(0.78N)
回复力 RF min.	80gf(0.78N)	20gf(0.2N)	20gf(0.2N)	8gf(0.08N)	15gf(0.15N)
预行程 PT max.	0.6mm	2.2mm	2.6mm	4.0mm	2.0mm
超行程 OT min.	0.5mm	0.5mm	0.8mm	0.6mm	0.8mm
差行程 MD max.	0.3mm	0.5mm	0.8mm	0.6mm	0.8mm
动作位置 OP	8.4±0.5mm	8.8±0.6mm	14.5±0.5mm	9.0±1.2mm	12.5±0.8mm

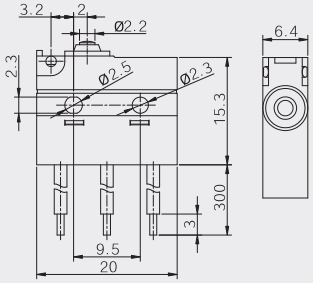
· 按钮型
XWS-6-CF





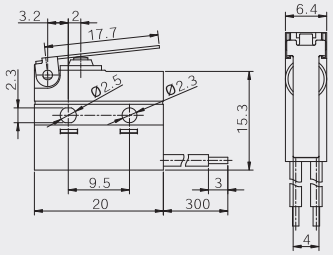
· 按钮型
XWS-6-CB





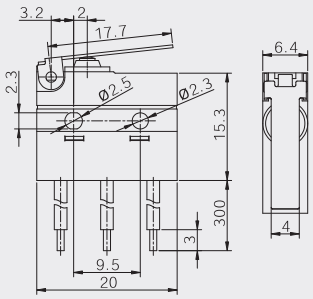
· 枢轴手柄型
XWS-6GL-CF





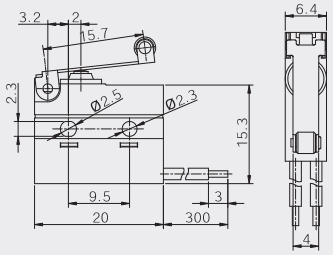
· 枢轴手柄型
XWS-6GL-CB





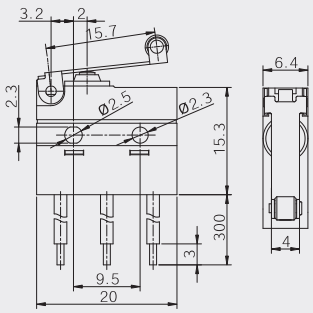
· 枢轴滚筒手柄型
XWS-6GL2-CF





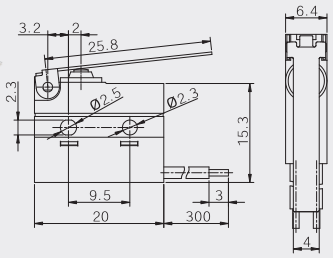
· 枢轴滚筒手柄型
XWS-6GL2-CB





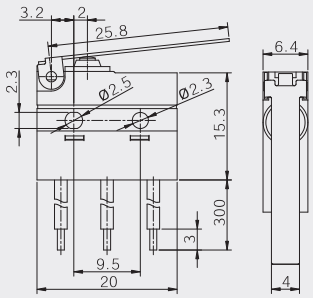
· 枢轴长手柄型
XWS-6GL3-CF





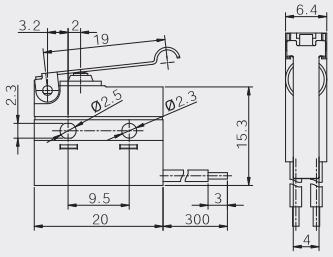
· 枢轴长手柄型
XWS-6GL3-CB





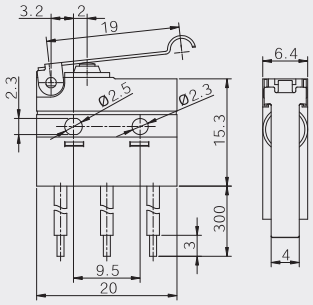
· 枢轴R手柄型
XWS-6GL4-CF





· 枢轴R手柄型
XWS-6GL4-CB





- 采用耐高温的酚醛模塑料外壳；
- 具有微小触点间隙，动作快速、高灵敏和微小行程；
- 配备各种形式的驱动手柄；
- 广泛应用于各种家用电器、电子设备、自动化设备、通讯设备、汽车电子、仪器仪表等领域。
- Adopt thermostable phenolic plastic crust;
- Small contact gap, snap action, high sensitivity and small operating travel;
- Variety of levers;
- Widely used in appliance, electronic equipment, automatic machine, communication equipment, car electric, apparatus and instrument, electro motion tool etc.

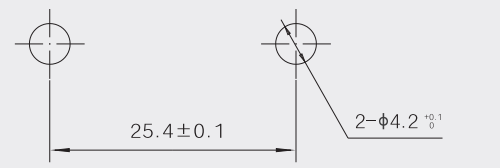


□ 型号含义 Model & Meanings

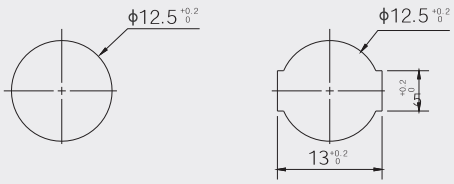
X Z - 15 G - B

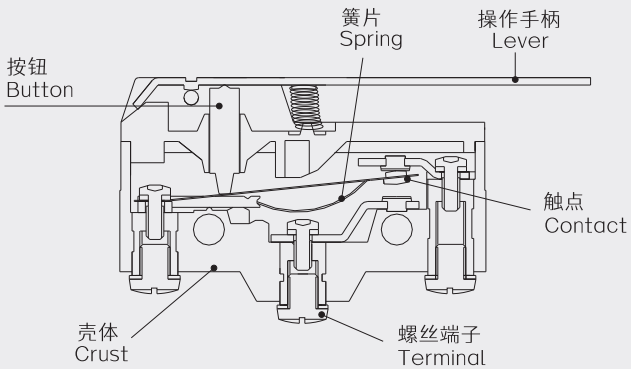
- B：端子形式 Terminal Form
- G：传动轴类型 Drive shaft Type
  - G：按钮型 Pin plunger type
  - GD：面板安装式短按钮型 Short reed plunger type
  - GS：簧片细按钮型 Slim reed plunger type
  - GQ：面板安装式长按钮型 Panel mount plunger type
  - GQ21：面板安装式交叉滚筒按钮型 Panel mount cross roller plunger type
  - GQ22：面板安装式滚筒按钮型 Panel mount roller plunger type
  - GW：枢轴手柄型 Hinge lever type
  - GW2：枢轴滚筒手柄型 Hinge roller lever type
  - GW22：枢轴滚筒短手柄型 Short hinge roller lever type
  - GW2277：单向动作枢轴滚筒手柄型 Unidirectional hinge roller lever type
  - HW24：枢轴长手柄型 Long steel wire lever type
  - HW52：枢轴钢丝手柄型 Steel wire lever type
  - HW78：枢轴钢丝长手柄型 Long steel wire lever type
- 15：设计类型 Design Type
- Z：微动开关代号 Microswitch Type Code
- X：企业代号 Company Code

□ 安装孔加工尺寸及产品结构图 Mounting Hole Dimensions &Product Structure



面板安装型打孔尺寸Panel Mounting Punch Dimensions





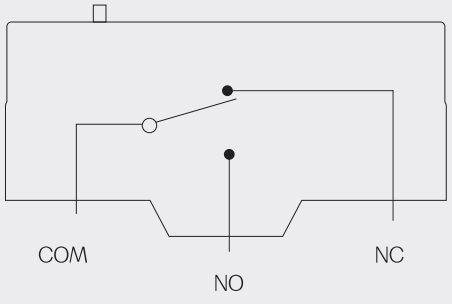
□ 性能参数 Specification

项　目 Item		参数值 Data
操作速度 Operating speed		1mm-1m/s
操作频率 Operating frequency	机　械 Mechanical	240次/分 240 times/min
	电　气 Electrical	20次/分 20 times/min
绝缘电阻 Insulation resistance		100MΩ以上(Above) DC500V
接触电阻 Contact resistance		25mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　气 Electrical	100,000次以上 above
	机　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP40
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

□ 额定值 Rating

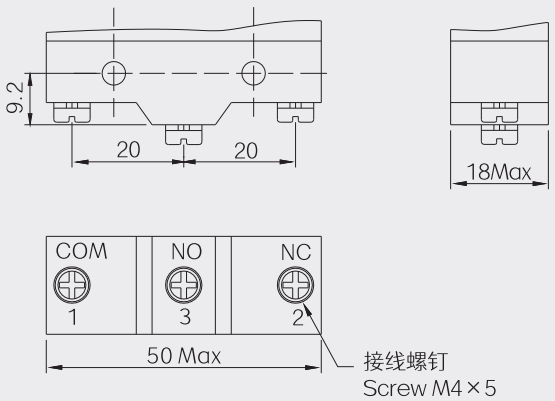
额定电压Ue(V)	额定电流Ie(A)	发热电流Ith(A)
AC-250	15	20
AC-125	15	20
DC-250	0.3	0.45
DC-125	0.6	0.75

□ 触点形式 Contact Form



单极双投
SPDT(1C)

□ 端子形式 Terminal Form



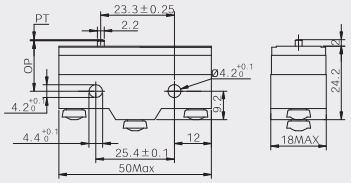
□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号 Models	XZ-15G-B	XZ-15GD-B	XZ-15GS-B	XZ-15GW-B	XZ-15GW2-B	XZ-15GW3-B	XZ-15GW21-B	XZ-15GW22-B	XZ-15GW2277-B
动作力 OF max.	250-350gf (2.45-3.43N)	250-350gf (2.45-3.43N)	350-450gf (3.43-4.41N)	80gf(0.78N)	120gf(1.18N)	120gf(1.18N)	160gf(1.57N)	180gf(1.76N)	160gf(1.57N)
回复力 RF min.	114gf(1.12N)	114gf(1.12N)	114gf(1.12N)	14gf(0.14N)	25gf(0.25N)	25gf(0.25N)	25gf(0.25N)	42gf(0.41N)	42gf(0.41N)
预行程 PT max.	0.5mm	0.5mm	0.8mm	8mm	6mm	4mm	4mm	3.2mm	2.6mm
超行程 OT min.	0.2mm	1.6mm	1.6mm	3.6mm	3mm	3mm	2mm	1.6mm	2mm
差行程 MD max.	0.1mm	0.1mm	0.5mm	1.2mm	0.8mm	0.6mm	0.5mm	0.5mm	0.5mm
动作位置 OP	15.9±0.4mm	21.5±0.5mm	28.2±0.8mm	19±0.8mm	30.2±0.8mm	30.2±0.8mm	19±0.8mm	30.2±0.4mm	42±0.8mm

型号 Models	XZ-15GL-B	XZ-15GL2-B	XZ-15GQ-B	XZ-15GQ21-B	XZ-15GQ22-B	XZ-15HW52-B	XZ-15HW78-B	XZ-15HW24-B	XZ-15AB
动作力 OF max.	120gf(1.18N)	150gf(1.47N)	350-450gf (3.43-4.41N)	350-450gf (3.43-4.41N)	350-450gf (3.43-4.41N)	50gf(0.49N)	30gf(0.29N)	50gf(0.49N)	1000gf(9.8N)
回复力 RF min.	15gf(0.15N)	14gf(0.14N)	114gf(1.12N)	114gf(1.12N)	114gf(1.12N)	6gf(0.06N)	5gf(0.05N)	6gf(0.06N)	100gf(0.98N)
预行程 PT max.	3.6mm	3.6mm	0.5mm	0.5mm	0.5mm	10mm	20mm	18mm	3.6mm
超行程 OT min.	1.0mm	1.0mm	5mm	4mm	4mm	5mm	10mm	10mm	0.05mm
差行程 MD max.	0.5mm	0.8mm	0.1mm	0.1mm	0.1mm	2mm	3mm	2mm	2mm
动作位置 OP	16±0.8mm	28.5±0.8mm	21.5±0.8mm	32.1±1.2mm	32.1±1.2mm	19±1.2mm	19±1.6mm	19±1.6mm	19.5±0.8mm

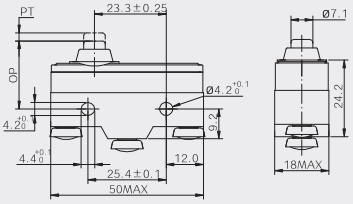
· 按钮型
XZ-15G-B





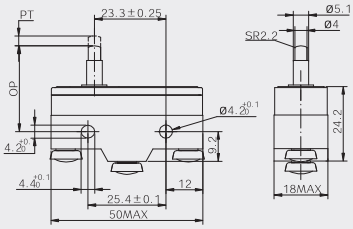
· 簧片短按钮型
XZ-15GD-B





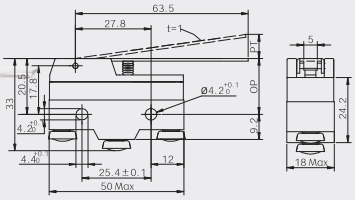
· 簧片细按钮型
XZ-15GS-B





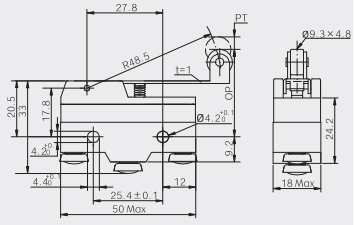
· 枢轴手柄型
XZ-15GW-B





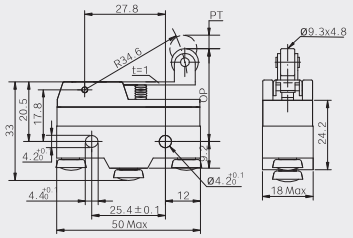
· 枢轴滚筒手柄型
XZ-15GW2-B





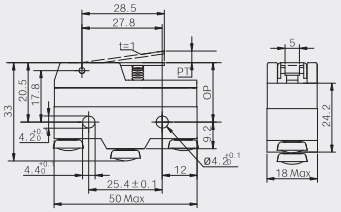
· 枢轴滚筒手柄型
XZ-15GW3-B





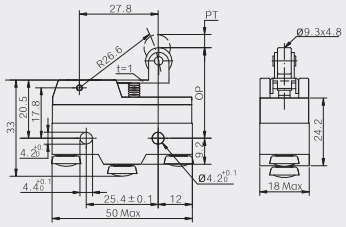
· 枢轴短手柄型
XZ-15GW21-B





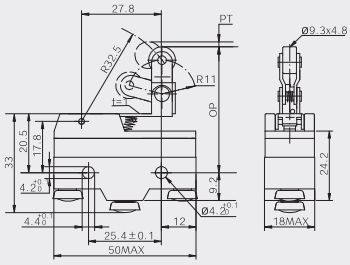
· 枢轴滚筒短手柄型
XZ-15GW22-B





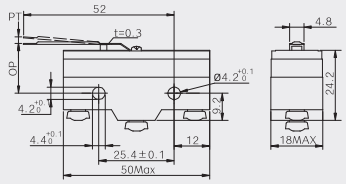
· 单方向动作枢轴滚筒手柄型
XZ-15GW2277-B





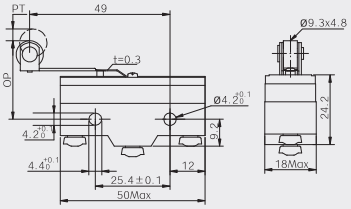
· 枢轴反向手柄型
XZ-15GL-B





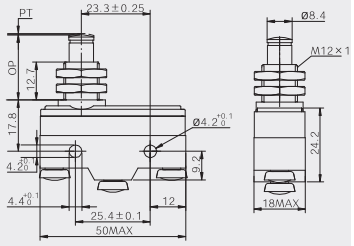
· 枢轴反向滚筒手柄型
XZ-15GL2-B





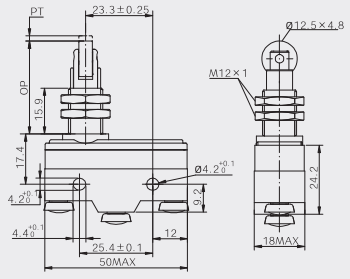
· 面板安装按钮型
XZ-15GQ-B





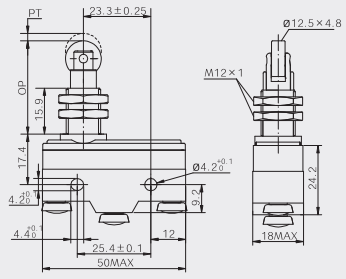
· 面板安装交叉滚筒按钮型
XZ-15GQ21-B





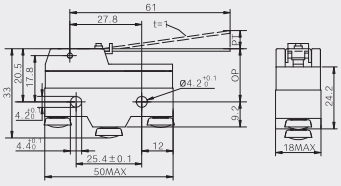
· 面板安装滚筒按钮型
XZ-15GQ22-B





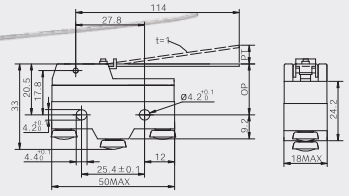
· 微量枢轴钢丝手柄型
XZ-15HW52-B





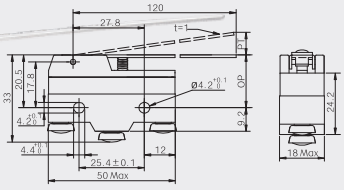
· 微量枢轴钢丝长手柄型
XZ-15HW78-B





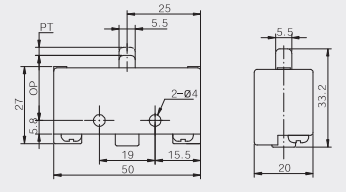
· 微量枢轴钢丝长手柄型
XZ-15HW24-B



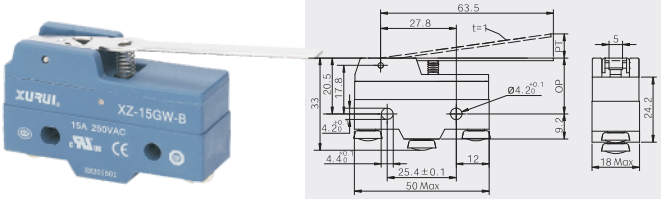


· 一开一闭按钮型
XZ-15AB

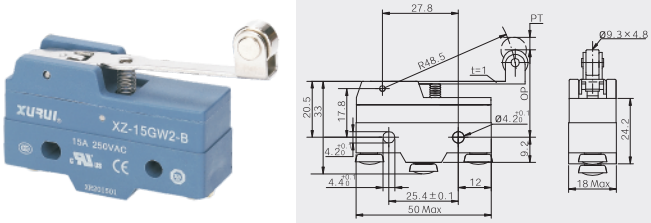




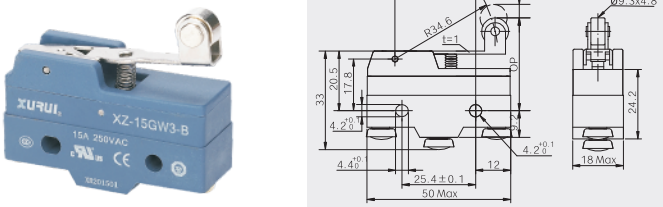
· 枢轴手柄型
XZ-15GW-B



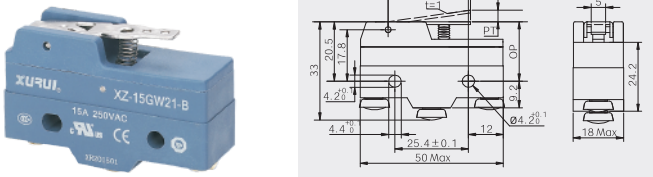
· 枢轴滚筒手柄型
XZ-15GW2-B



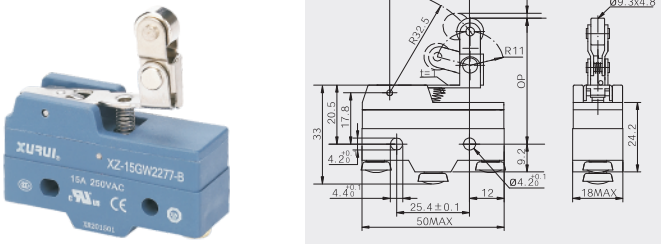
· 枢轴滚筒手柄型
XZ-15GW3-B



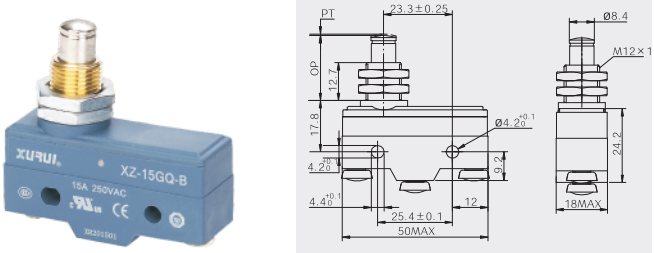
· 枢轴短手柄型
XZ-15GW21-B



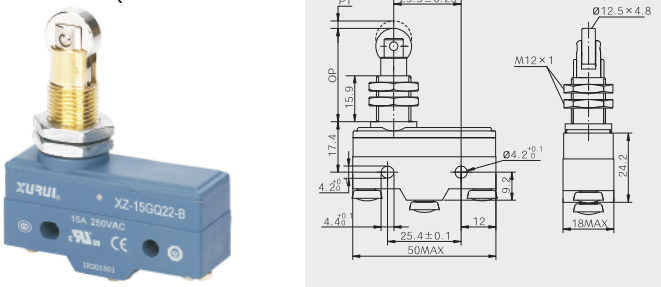
· 单方向动作枢轴滚筒手柄型
XZ-15GW2277-B



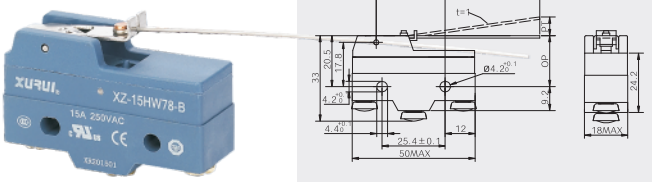
· 面板安装按钮型
XZ-15GQ-B



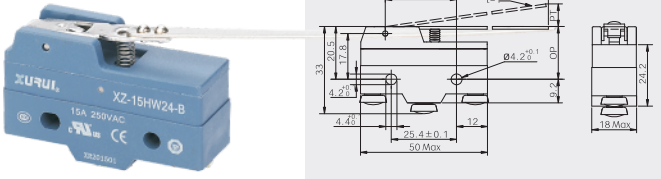
· 面板安装滚筒按钮型
XZ-15GQ22-B



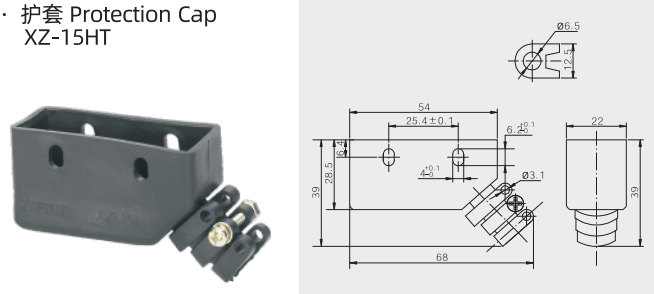
· 微量枢轴钢丝长手柄型
XZ-15HW78-B



· 微量枢轴钢丝长手柄型
XZ-15HW24-B



· 护套 Protection Cap
XZ-15HT



XW-16 微动开关 MICROSWITCH

- 本产品采用工程塑料作外壳，重量轻、绝缘性好；
- 开关采用银合金触点，动作快速、领面度高；
- 广泛应用于各种家用电器、机床、电磁铁、电力行业等领域；
- 适用于交流电压不大于380V，电流不大于16A，直接电压不大于250V，电流不大于5A的电路中作控制用。
- This product uses engineering plastics as the shell, which is light in weight and good in insulation;
- The switch adopts silver alloy contacts with fast action and high sensitivity;
- Widely used in various household appliances, machine tools, electromagnets, electric power industry and other fields;
- Suitable for AC voltage not greater than 380V, current not greater than 16A, direct voltage not greater than 250V, current not greater than Used for control in circuits larger than 5A.



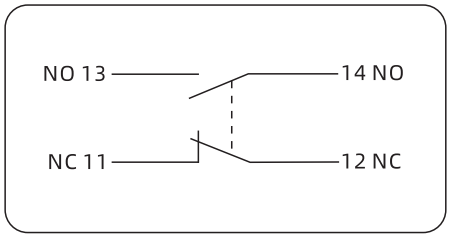
□型号含义 Model & Meanings

X W - 16 C M (M G S)

- 外壳样式 Shell form
  - 无None: 有肩 With shoulder
  - S: 无肩 Without shoulder
- 外壳颜色 Shell color
  - 无: 蓝色 Blue
  - G: 绿色 Green
- 按钮高度 Button height
  - 无None: 5.5mm　M:6.5mm　H:8.0mm
- 灭弧形式 Arc extinguishing form
  - 无None: 无灭弧 Without arc extinguishing
  - M: 磁熄灭弧 Magnetic arc extinguishing
- 触点形式 Contact type
  - C: SPDT 1NO1NC
- 额定电流Le: 16A
- 开关类型 Switch type
- 企业代号 Company code

□ 触点形式 Contact Form

1NO*1NC



□ 额定参数 Rated parameters

Uimp	2.5KV
Ith	16A
Ui	380V
AC-12	380V/16A
DC-12	250V/5A

□ 性能参数 Specification

项　目 Item		参数值 Data
额 定 值 Rating		AC-12 16A/380VAC; DC-12 5A/250VDC
操作频率 Operating frequency	机　械 Mechanical	60次/分 60times/min
	电　气 Electrical	30次/分 30times/min
绝缘电阻 Insulation resistance		100MΩ以上(Above) DC500V
接触电阻 Contact resistance		100mΩ(初值 initial value)
介质耐压 Withstand voltage	非 连 线 Non-connection wire	1000VAC
	各端子间 Every terminal	1500VAC
振　动 Vibration	误 动 作 Misoperation	10-55Hz 复振幅 Amplitude 1.5mm
冲　击 Impact	耐　久 Durable	1000m/s²
	误 动 作 Misoperation	300m/s²
寿　命 Life	电　气 Electrical	50,000次以上 above
	机　械 Mechanical	1,000,000次以上 above
防护等级 Protection degree		IP40
使用温度 Operating temperature		-25~+80℃
使用湿度 Operating humidity		<85%

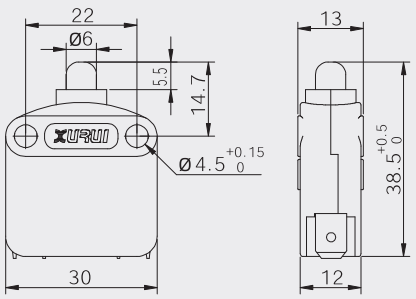
□ 外形尺寸/动作特性 Dimensions/Operating Characteristics

型号 Models	XW-16	XW-16(M)	XW-16(H)
动作力 OF max.	400gf(3.92N)	400gf(3.92N)	400gf(3.92N)
回复力 RF min.	150gf(1.47N)	150gf(1.47N)	150gf(1.47N)
预行程 PT max.	3.0mm	3.0mm	3.0mm
超行程 OT min.	2.0mm	2.0mm	2.0mm
差行程 MD max.	2mm	2mm	2mm
动作位置 OP	11.5±0.8mm	12.5±0.8mm	14.5±0.8mm

· 按钮型
XW-16C
XW-16C(G)



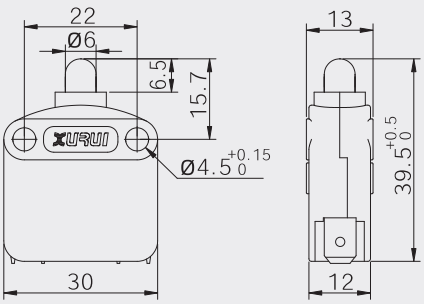




· 中按钮型
XW-16C(M)
XW-16C(MG)



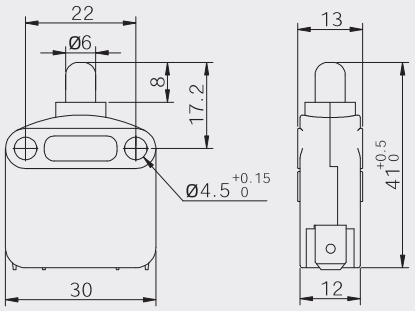




· 高按钮型
XW-16C(H)
XW-16C(HG)



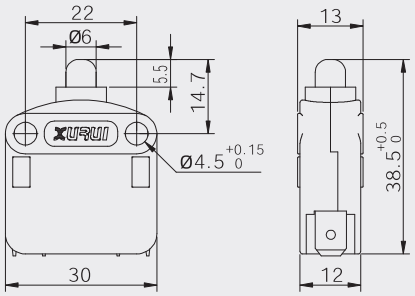




· 按钮型
XW-16CM
XW-16CM(G)



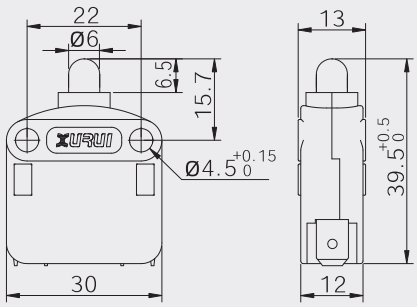




· 中按钮型
XW-16CM(M)
XW-16CM(MG)



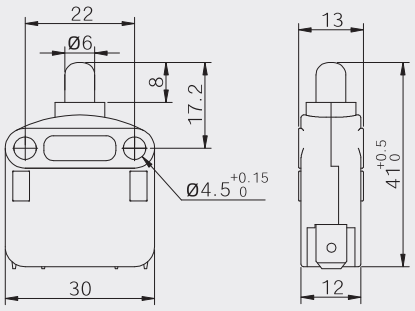




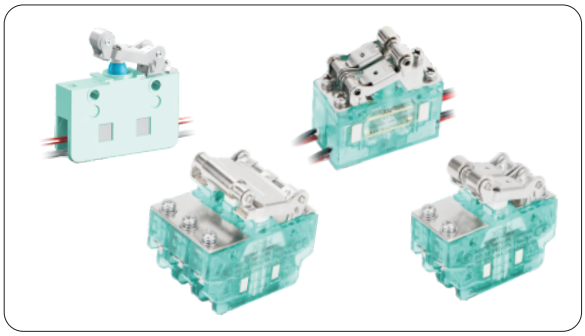
· 高按钮型
XW-16CM(H)
XW-16CM(HG)







- 本产品根据采用聚碳酸脂作外壳，机械强度高，抗老化、电气性能优良；
- 开关采用银合金触点，动作速度快，拉弧少；
- 广泛应用于各种高压操作机构的合闸、分闸、开关锁、信号控制等领域；
- 适用于交直流电压不大于 380V，电流不大于 16A 的电路中作控制用。
- This switch uses polycarbonate as housing material, which also features high mechanical strength,anti-aging and excellent electrical performance;
- The switch has silver alloy contact and snap action characteristic;
- Widely used in the closing, opening, switch lock, signal control and other fields of various high-voltage operating mechanisms;
- It is suitable for control in circuits with AC and DC that voltage is not more than 380V and current is not more than 16A.



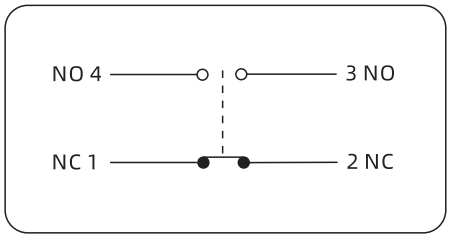
□ 型号含义 Model & Meanings

X CSK - 2 W S P Q1

- Q1 端子形式 Terminal type
  - 无None: M3螺钉端子 Screw terminal
  - Q1: 6.3x0.8平行快速端子 Flat quick terminal
  - Q2: 6.3x0.8 45°折弯快速端子 Bend quick terminal
  - Q3: 6.3x0.8 90°折弯加长快速端子 Bend & long quick terminal
- P 外壳防护等级 Protection grade
  - 无None: IP40　P: IP67
- S 操作滚轮形式 Roller type
  - 无: 整体滚轮式 Integrated roller
  - S: 分立滚轮式 Separate roller
- W 安装形式 Mounting form
  - 无None.: 无支架本体安装 Without mounting plate
  - W: 带支架外装 With mounting plate
- 2 开关极数 Number of poles
  - 1: 1P单极 Single pole
  - 2: 2P双极 Double pole
  - 3: 3P三极 Three pole
  - 4: 4P四极 Four pole
- CSK 开关类型 Switch type
- X 企业代号 Company code

□ 触点形式 Contact Form

1NO*1NC



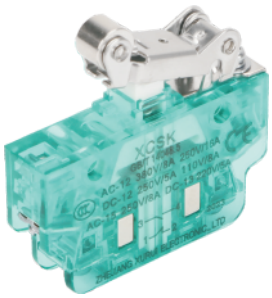
□ 额定参数 Rated parameters

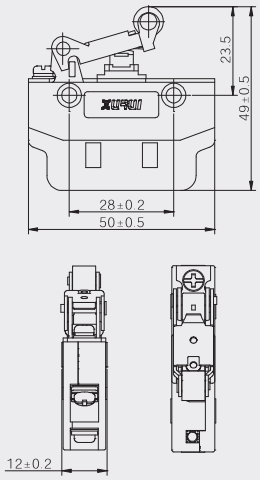
Uimp	2.5KV
Ith	22A
Ui	440V
AC-12	Ue/Ie:380V/8A　250V/16A
DC-12	Ue/Ie:250V/5A　Ue/Ie:110V/8A
AC-15	Ue/Ie:250V/8A
DC-13	Ue/Ie:220/5A

□ 性能参数 Specification

项　目 Item	参数值 Data
额定负载 Specified load	AC-12 380V/8A；250V/16A DC-12 250V/5A；110V/8A AC-15 250V/8A　DC-13 220V/5A
动 作 力 Action force	600+100gf(5.88+0.98N)(仅XCSK-1)
回 复 力 Resilience	≥150gf(1.47N)
动作行程 Action stroke	3±1mm
触点形式 Contact stroke	1NO1NC
绝缘电阻 Insulation resistance	≥100MΩ(DC500V)
接触电阻 Contact resistance	≤25mΩ(初值)
介质耐压 Medium withstand voltage	≥1500VAC
机械寿命 Mechanical life	≥1,000,000
电气寿命 Electrical life	≥50,000
端子扭矩 Terminal torque	≥1.2Nm
防护等级 Protection level	IP40
环境温度 Ambient temperature	-25~80℃
环境湿度 Environment humidity	≤85%

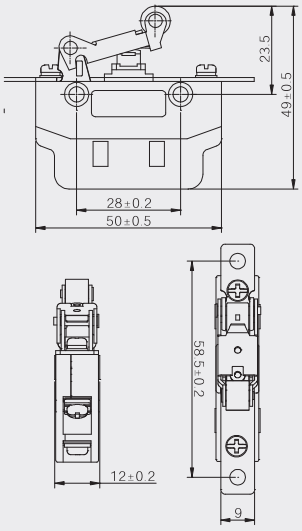
· 单极1P
XCSK-1





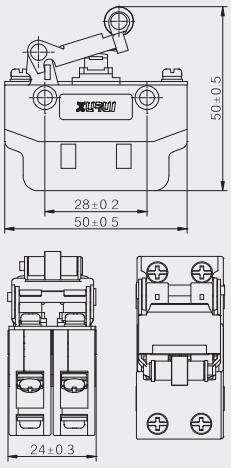
· 单极1P
XCSK-1W





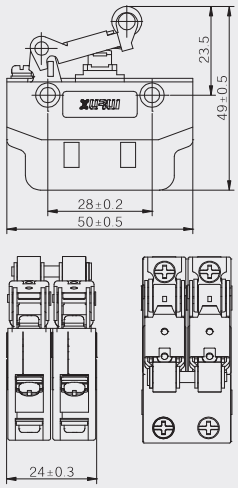
· 双极2P
XCSK-2





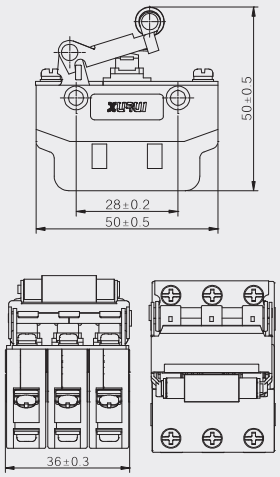
· 双极2P
XCSK-2S





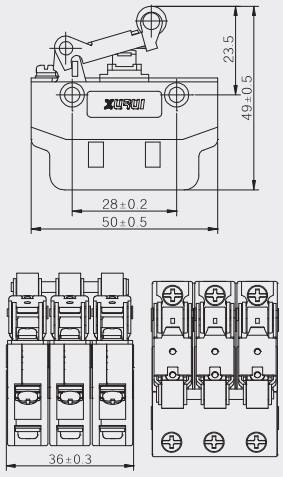
· 三极3P
XCSK-3



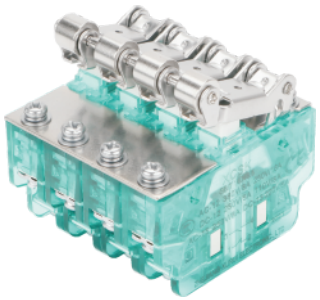


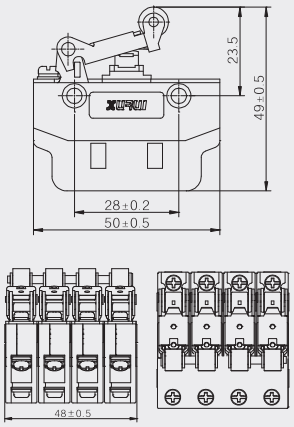
· 三极3P
XCSK-3S





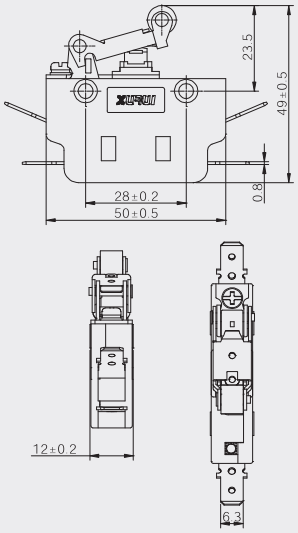
· 四极1P
XCSK-1





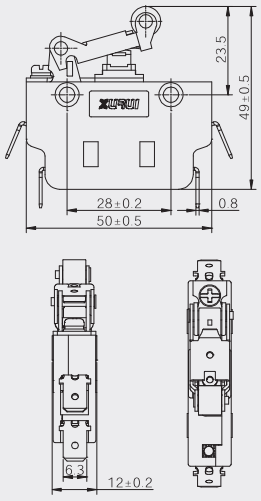
· 单极1P
XCSK-1Q1





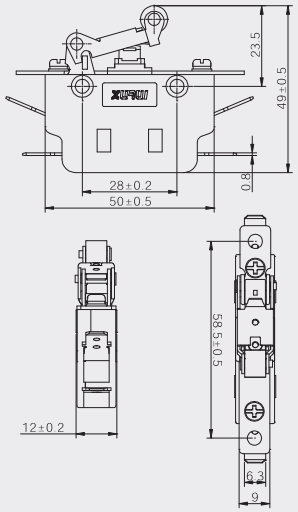
· 单极1P
XCSK-1Q2





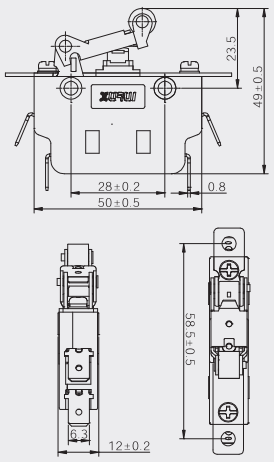
· 单极1P
XCSK-1WQ1



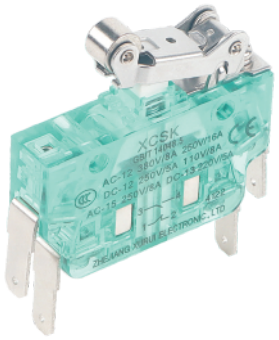


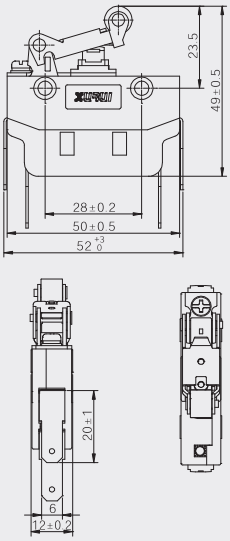
· 单极1P
XCSK-1WQ2





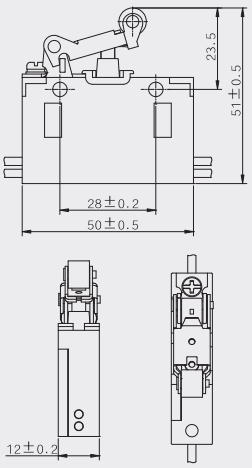
· 单极1P
XCSK-1Q3



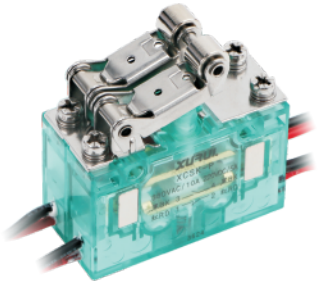


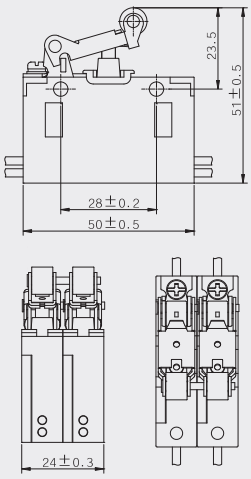
· 单极1P
XCSK-1P



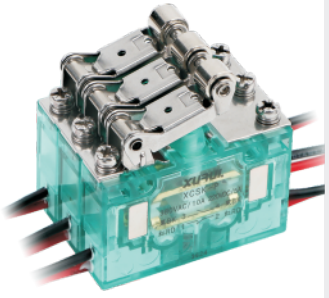


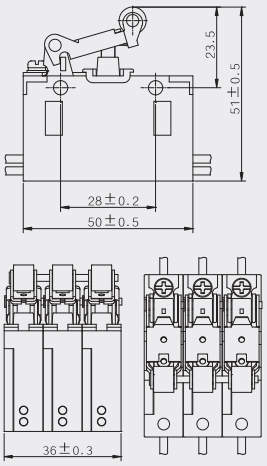
· 双极1P
XCSK-2SP



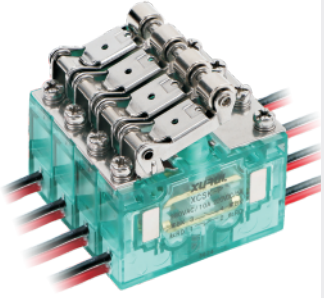


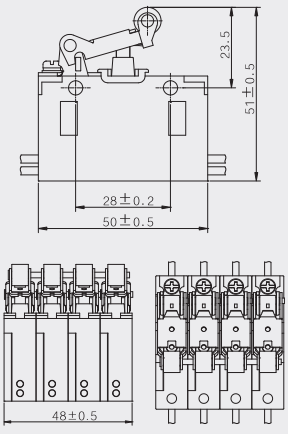
· 三极2P
XCSK-3SP





· 四极2P
XCSK-4SP





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