

KW-5 型微动开关系列

Micro switch series

- 特点**
- 安全可靠的小型开关;
 - 结构紧凑。具有微小触点间隙、快速动作、高灵敏和微小动作行程的特点;
 - 长寿命, 高可靠;
 - 接线端子种类齐全;
 - 配备各种形式动臂。

Features

- Safe reliable miniature switch.
- Nice appearance,tight configuration,characteristic:small contact gap,quick action,high sensitivity and small operating travel.
- Long life,high reliability.
- Variety of contact terminals.
- Variety of levers.



- 应用

电话 | 电脑 | 增湿器 | 榨汁机
玩具车 | 搅拌机 | 电热水壶

Application

Telephone | computer | humidifier
juice maker | joystick | mixer | electric pot

项目 Item		特性值 Value
绝缘电阻 Insulation resistance		$\geq 100\text{M}\Omega$ (500VDC)
接触电阻 Contact resistance		$\leq 100\text{m}\Omega$
耐电压 Test voltage	同极不相接端子间 Between terminals of the same polarity	AC1000V,50/60Hz,1min
	带电金属零件与地 (外壳) 之间、接线端与不带电金属件之间 Between current-carrying metal parts and ground(case),and between each terminal and non-current-carrying metal parts.	AC1500V,50/60Hz,1min
寿命 Life expectancy		机械 ≥ 100000 次 ; Mechanical ≥ 100000 cycles
		5(3)A,125/250V AC,34E(TUV)
		5A/10.1A,125/250V AC,3E4(CQC、CB、TUV)
		5A/10.1A,125/250V AC,1E5(UL、CUL)

- 型号规格命名及含义 | Model specs naming and meanings

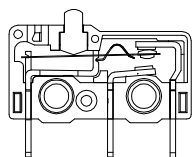
KW-5 ☐ ☐ ☐ ☐ ☐ ☐ ☐

1 2 3 4 5 6 7

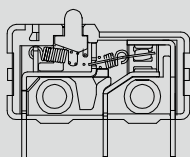
1 类别 Connect forms	空 Empty: 常规结构 Conventional structure L: 弹簧结构 Spring structure D: 防尘结构 Dustproof structure (见说明图 See illuminations)	5 按钮规格 Plunger specs	A: 5.0按钮 5.0 plunger D: 4.5按钮 4.5 plunger G: 6.1按钮 6.1 plunger Y: 异形按钮 Abnormity plunger (见说明图 See illuminations)
2 接触形式 Connect forms	Z: 转换型 SPDT T: 常开(接通)型 SPST-NO D: 常闭(按断)型 SPST-NC (见说明图 See illuminations)	6 驱动形式 Actuator forms	0: 无动臂 No lever 1: 10-19.9动臂 10-19.9 lever 2: 20-29.9动臂 20-29.9 lever 3: 30-39.9动臂 30-39.9 lever 4: 弧形动臂 Arc lever 5: 滚轮动臂 Roller lever 6: 非标准动臂 Not standard lever
3 端子类型 Terminal type	A: 焊接端子 Solder terminal B: 110快接端子 Quick-connect terminal C: 长脚PCB端子 Long PCB terminal P: PCB端子 PCB terminal D: 非标准端子 Not standard terminal	7 特殊要求 Special Rquirements	A: 触点材质: 铜点 Contact material: cu B: 触点材质: 复合 Contact material: AgNi10/cu C: 特殊要求 Special Rquirements
4 动作力(max) Operating force	050: 0.5N 150: 1.5N 220: 2N 注:若是非标准动作力,用此动作力上限值表示。 Note: if it is not standard operating force,indicate with the upper limit.		

- 类别说明图 | Connect forms illumination

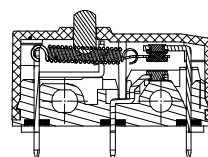
常规结构 Conventional structure



弹簧结构 Spring structure

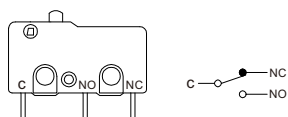


防尘结构 Dustproof

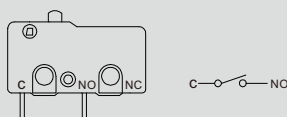


- 接触形式说明图 | Connect forms illumination

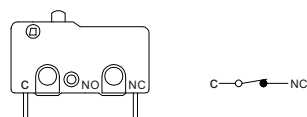
转换型 SPDT



常开型 SPST-NO



常闭型 SPST-NC



- 按钮规格说明图 | Plunger spec illumination

按钮标记
Mark on plunger

A

D

G

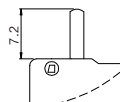
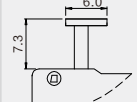
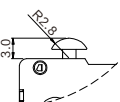
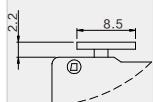
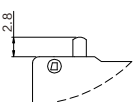
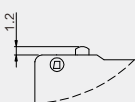
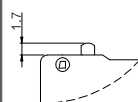
Y1

Y2

Y3

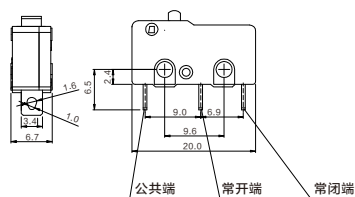
T

按钮尺寸
Plunger dimension

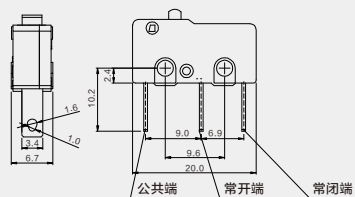


- 接线端子尺寸 | Terminal dimensions

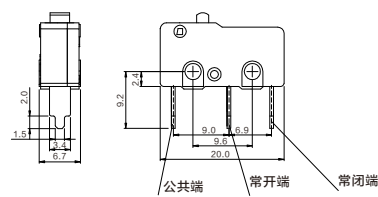
A 焊接端子 | Solder terminal



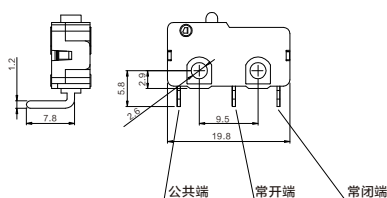
B 快接端子#110 | Quick connect terminal #110



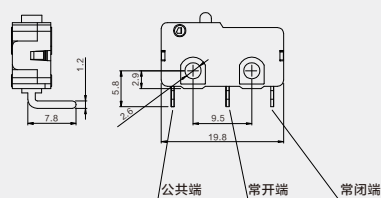
C 长脚 PCB端子 | Long PCB terminal



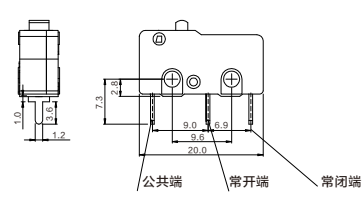
D 左侧面PCB端子



E 右侧面PCB端子

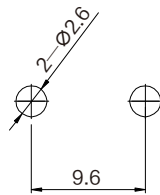


P PCB端子 | PCB terminal

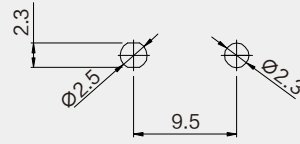


- 安装孔尺寸 | Mounting hole dimensions

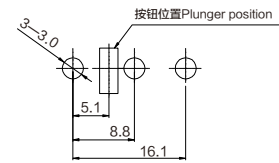
KW-5/KW-5L



KW-5D

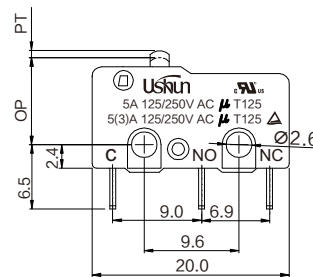
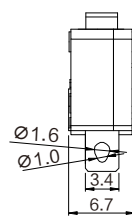


长脚PCB端子 | Long PCB Terminal



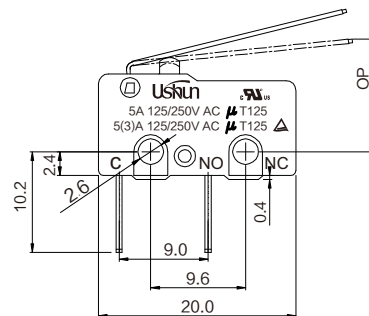
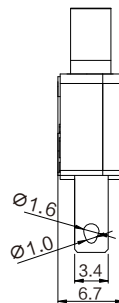
- KW-5外形尺寸和动作特性 | Dimensions and operating characteristics

KW-5-ZA050A0B
KW-5-ZA150A0B
KW-5-ZA220A0B



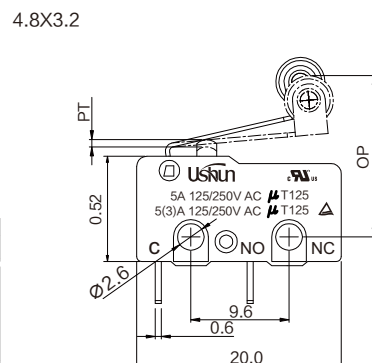
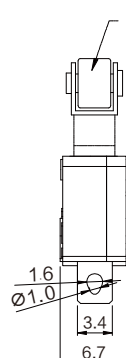
型号 Model	KW-5- ZA050A0B	KW-5- ZA150A0B	KW-5- ZA220A0B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	0.5		
MD Max(mm)	0.5		
OP(mm)	8.9 ± 0.4		

KW-5-KB050A1B
KW-5-KB150A1B
KW-5-KB220A1B



型号 Model	KW-5- KB050A1B	KW-5- KB150A1B	KW-5- KB220A1B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	2.0		
MD Max(mm)	1.0		
OP(mm)	11.5 ± 0.8		

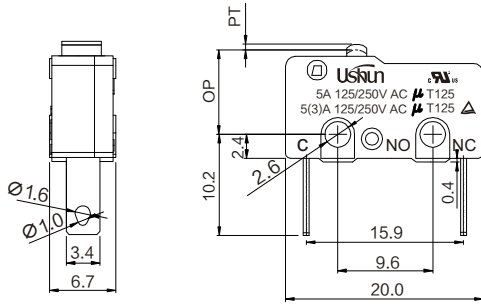
KW-5-KA050A5B
KW-5-KA150A5B
KW-5-KA220A5B



型号 Model	KW-5- KA050A5B	KW-5- KA150A5B	KW-5- KA220A5B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	2.0		
MD Max(mm)	1.0		
OP(mm)	15.5 ± 0.8		

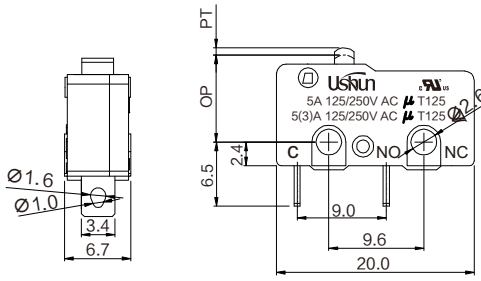
杠杆形状可按客户要求订制
Leveraged Shape Can Be Customized According To Customer's Request

KW-5-BB050A1B
KW-5-BB150A1B
KW-5-BB220A1B



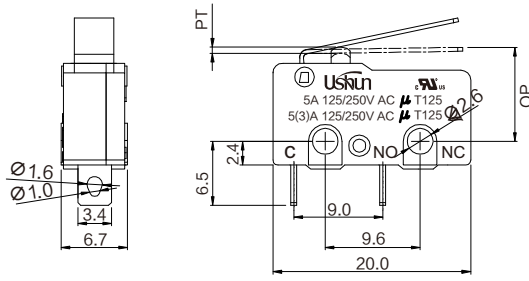
型号 Model	KW-5- BB050A6B	KW-5- BB150A6B	KW-5- BB220A6B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	2.0		
MD Max(mm)	1.0		
OP(mm)	8.5 ± 0.2		

KW-5-KA050A0B
KW-5-KA150A0B
KW-5-KA220A0B



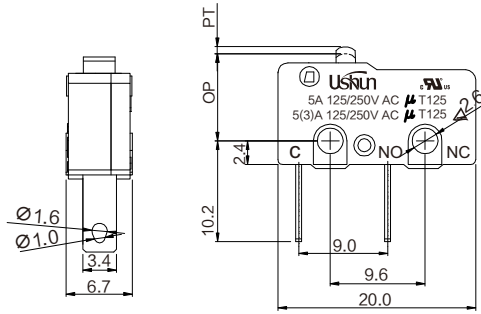
型号 Model	KW-5- KA050A0B	KW-5- KA150A0B	KW-5- KA220A0B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	0.5		
MD Max(mm)	0.5		
OP(mm)	8.9 ± 0.2		

KW-5-KA050A1B
KW-5-KA150A1B
KW-5-KA220A1B



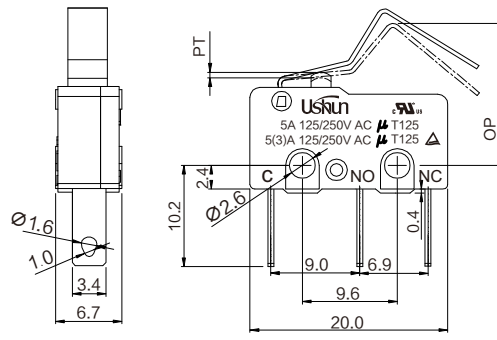
型号 Model	KW-5- KA050A1B	KW-5- KA150A1B	KW-5- KA220A1B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	2.0		
MD Max(mm)	1.0		
OP(mm)	10.5 ± 0.5		

KW-5-KB050A0B
KW-5-KB150A0B
KW-5-KB220A0B



型号 Model	KW-5- KB050A0B	KW-5- KB150A0B	KW-5- KB220A0B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	0.5		
MD Max(mm)	0.5		
OP(mm)	8.9 ± 0.2		

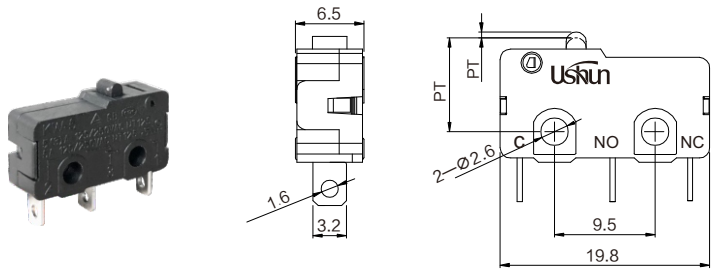
KW-5-ZB050A6B
KW-5-ZB150A6B
KW-5-ZB220A6B



型号 Model	KW-5- ZB050A6B	KW-5- ZB150A6B	KW-5- ZB220A6B
OF Max(N)	0.50	1.50	2.20
RF Min(N)	0.15	0.25	0.25
PT Max(mm)	0.7		
OT Min(mm)	2.0		
MD Max(mm)	1.0		
OP(mm)	14.5 ± 0.8		

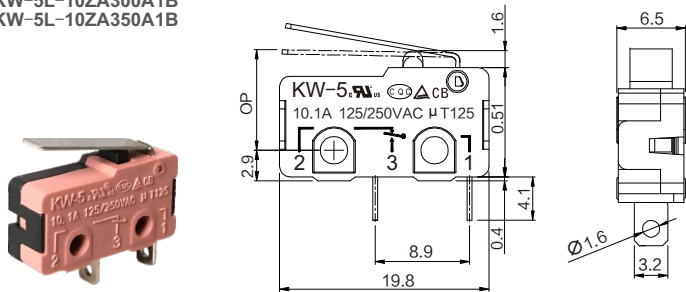
杠杆形状可按客户要求订制
Leveraged Shape Can Be Customized According To Customer's Request

KW-5L-ZB200A0B
KW-5L-ZB300A0B
KW-5L-ZB350A0B



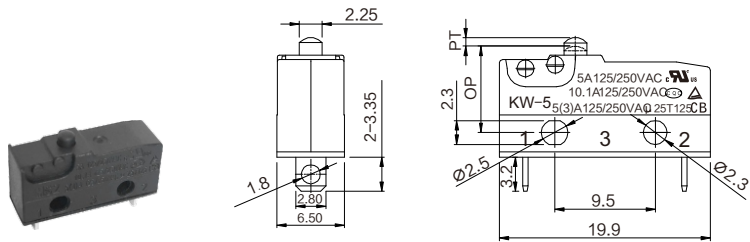
型号 Model	KW-5L- ZB200A0B	KW-5L- ZB300A0B	KW-5L- ZB350A0B
OF Max(N)	2.00	3.00	3.50
RF Min(N)	0.25	0.50	1.00
PT Max(mm)		0.7	
OT Min(mm)		0.5	
MD Max(mm)		0.5	
OP(mm)		8.8 ± 0.2	

KW-5L-10ZA200A1B
KW-5L-10ZA300A1B
KW-5L-10ZA350A1B



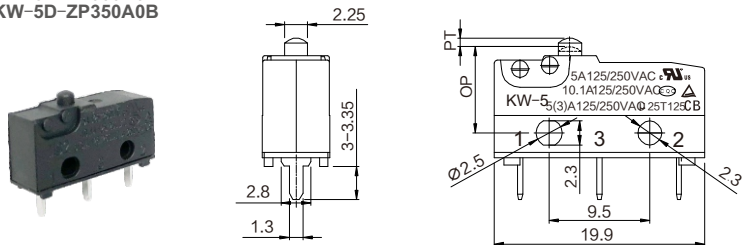
型号 Model	KW-5L- 10ZA200A1B	KW-5L- 10ZA300A1B	KW-5L- 10ZA350A1B
OF Max(N)	2.00	3.00	3.50
RF Min(N)	0.25	0.50	1.00
PT Max(mm)		0.7	
OT Min(mm)		2.0	
MD Max(mm)		1.0	
OP(mm)		9.6 ± 1.0	

KW-5D-BA200A0B
KW-5D-BA300A0B
KW-5D-BA350A0B



型号 Model	KW-5D- BA200A0B	KW-5D- BA300A0B	KW-5D- BA350A0B
OF Max(N)	2.00	3.00	3.50
RF Min(N)	0.25	0.50	1.00
PT Max(mm)		0.7	
OT Min(mm)		0.5	
MD Max(mm)		0.5	
OP(mm)		8.4 ± 0.2	

KW-5D-ZP200A0B
KW-5D-ZP300A0B
KW-5D-ZP350A0B



型号 Model	KW-5D- ZP200A0B	KW-5D- ZP300A0B	KW-5D- ZP350A0B
OF Max(N)	2.00	3.00	3.50
RF Min(N)	0.25	0.50	1.00
PT Max(mm)		0.7	
OT Min(mm)		0.5	
MD Max(mm)		0.5	
OP(mm)		8.4 ± 0.2	

杠杆形状可按客户要求订制
Leveraged Shape Can Be Customized According To Customer's Request