

## 超小型钮子开关 Sub-Miniature Toggle Switch

### 技术特性 Specifications

1. 规格 Rating: 3A 125VAC; 1.5A 250VAC
2. 接触电阻 Contact Resistance: 20mΩ max
3. 绝缘电阻 Insulation Resistance: 500VDC 1000MΩ min
4. 耐电压 Dielectric Strength: 1000VAC, 1 Minute
5. 操作温度 Operating Temperature: -25℃~ +85℃
6. 电气寿命 Electrical Life: ≥10,000 Cycles

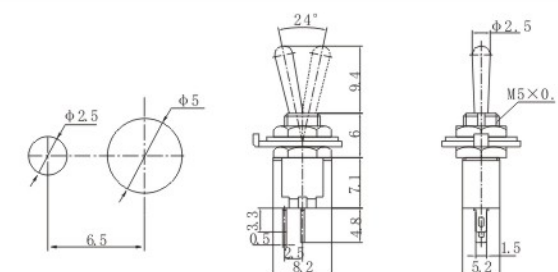
### 选型说明 How to order

| SMTS                 | - | 1                | 02                                                | - | 2            | C                                                                                                                      | 3                                                | T             | S             |
|----------------------|---|------------------|---------------------------------------------------|---|--------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|---------------|---------------|
| 超小型<br>Sub-Miniature |   | 刀数<br>Poles      | 电路特性<br>Switch Function                           |   | 序号<br>Series | 手柄种类<br>Handle options                                                                                                 | 端子种类<br>Terminal options                         | 支架<br>Bracket | 轴套<br>Bushing |
| 1<br>2               |   | 1 pole<br>2 pole | 01 ON-OFF<br>02 ON-ON<br>03 ON-OFF-ON             |   |              |                                                                                                                        |                                                  |               |               |
|                      |   |                  | 标准 Standard(A)<br>短型 Short(C)<br>柄套 Handle cap(D) |   |              | Solder terminal(1)<br>PC terminal(2)<br>PC-H terminal(3)<br>PC-H terminal(3H)<br>PC-V terminal(4)<br>PC-V terminal(4H) | 轴套种类 Bushing options<br>标准(S)<br>扁纹轴(T)<br>光轴(U) |               | 铭牌 Nameplate  |
|                      |   |                  |                                                   |   |              |                                                                                                                        |                                                  |               |               |

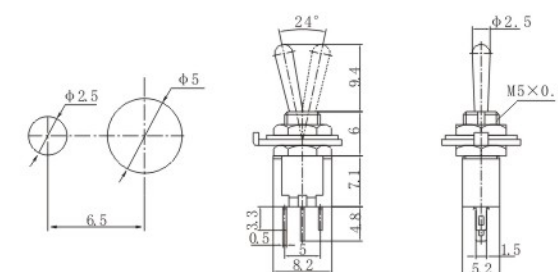
### 外形尺寸 Dimension



SMTS-101 ON-OFF  
SPST 2P



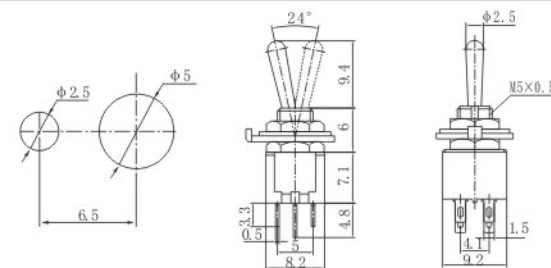
SMTS-102 ON-ON  
SPDT 3P



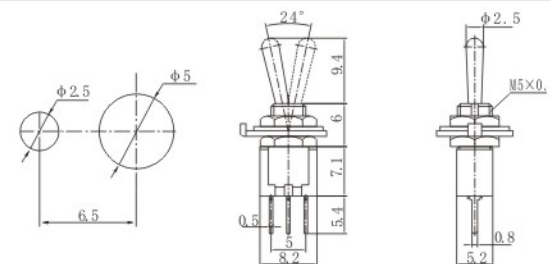




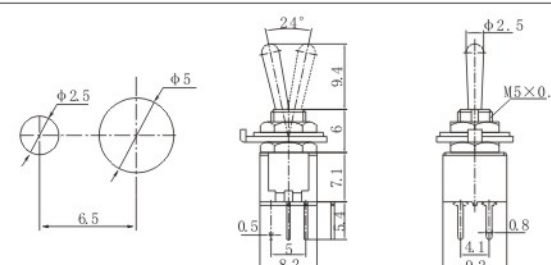
**SMTS-202** ON-ON  
DPDT 6P



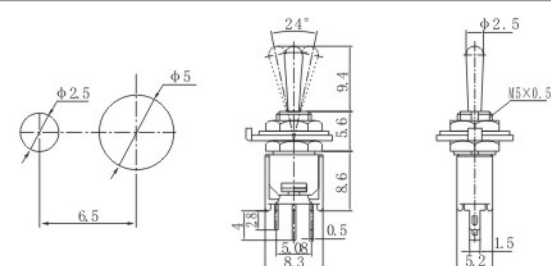
**SMTS-102-A2** ON-ON  
SPDT 3P



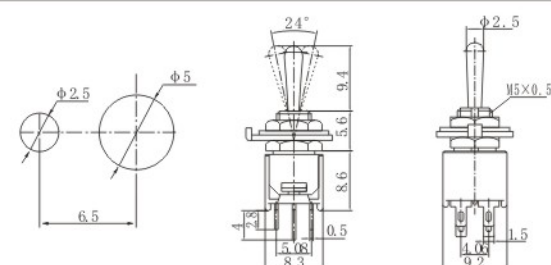
**SMTS-202-A2** ON-ON  
DPDT 6P



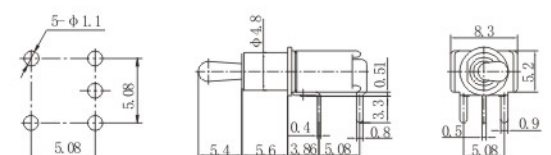
**SMTS-103-2A1** ON-OFF-ON  
SPDT 3P



**SMTS-203-2A1** ON-OFF-ON  
DPDT 6P



**SMTS-102-2C3** ON-ON  
**SMTS-103-2C3** ON-OFF-ON  
SPDT 3P



## 小型钮子开关 Miniature Toggle Switch

### 技术特性 Specifications

- 规格 Rating: 6A 125VAC; 3A 250VAC
- 接触电阻 Contact Resistance: 20mΩ max
- 绝缘电阻 Insulation Resistance: 500VDC 1000MΩ min
- 耐电压 Dielectric Strength: 1500VAC, 1 Minute
- 操作温度 Operating Temperature: -25℃~ +85℃
- 电气寿命 Electrical Life: ≥10,000 Cycles

### 选型说明 How to order

MTS - 1 02 - A 1 T - R

特征 Features: MTS Mini Toggle, RLS Rocker Version

刀数 Poles: 1 1 pole, 2 2 pole, 3 3 pole, 4 4 pole

电路特性 Switch Function: 01 ON-OFF, 02 ON-ON, 11 OFF-(ON), 12 ON-(ON)(单复位), 03 ON-OFF-ON, 13 ON-OFF-(ON)(单复位), 23 (ON)-OFF-(ON)(双复位)

手柄种类 Actuator: ( ) Means Momentary

端子种类 Terminal options: Solder terminal (1), PC terminal (2), PC-H terminal (3), PC-V terminal (4), Long Solder terminal (5)

支架 Bracket: 标准 Standard (A), 长型 Long (B), 短型 Short (C), 带柄套 With handle cap (D), 大型 Grand (G), 特大型 Large handle (L)

底座颜色 Housing color: R 红色 Red, B 蓝色 Blue

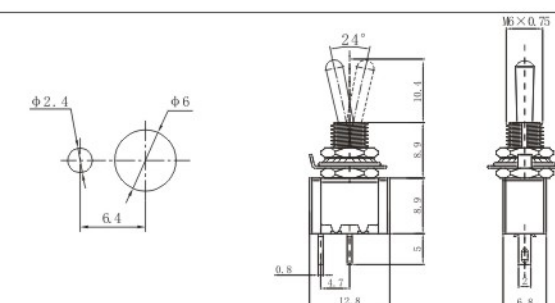
铭牌 Nameplate: 塑料扁柄 Plastic Flat (E), 金属扁柄 Metal Flat (F), 长金属扁柄 Long Metal Flat (FL)

防水帽 Water proof cap: WPC-05

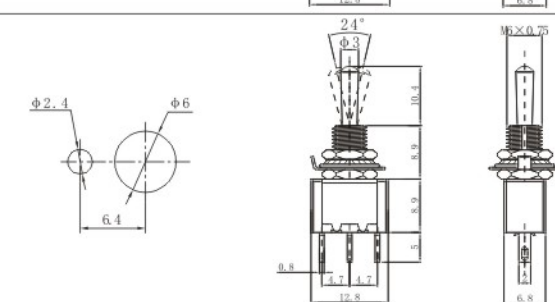
### 外形尺寸 Dimension



**MTS-101** ON-OFF  
**MTS-111** OFF-(ON)  
SPST 2P

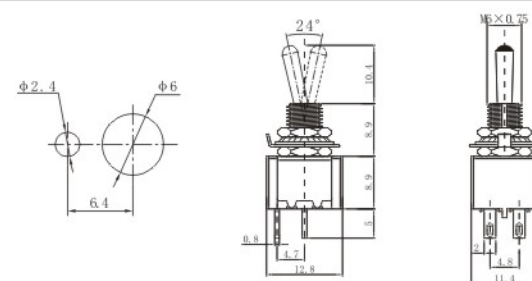


**MTS-102** ON-ON  
**MTS-103** ON-OFF-ON  
**MTS-112** ON-(ON)  
**MTS-113** ON-OFF-(ON)  
**MTS-123** (ON)-OFF-(ON)  
SPDT 3P

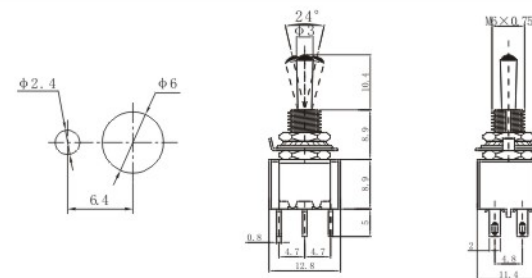




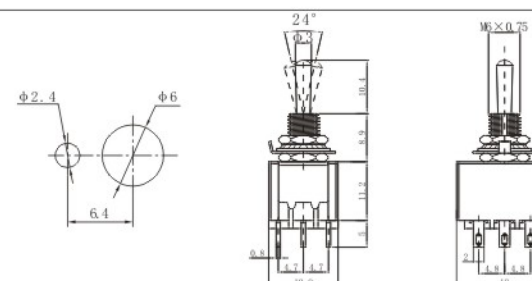
MTS-201 ON-OFF  
MTS-211 OFF-(ON)  
DPST 4P



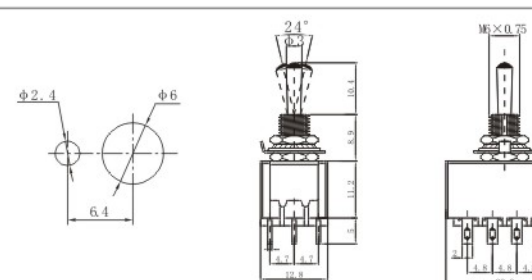
MTS-202 ON-ON  
MTS-203 ON-OFF-ON  
MTS-212 ON-(ON)  
MTS-213 ON-OFF-(ON)  
MTS-223 (ON)-OFF-(ON)  
DPDT 6P  
MTS-2033 ON-ON-ON DP3T



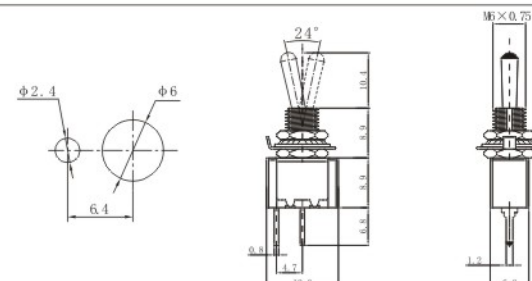
MTS-302 ON-ON  
MTS-303 ON-OFF-ON  
3PDT 9P



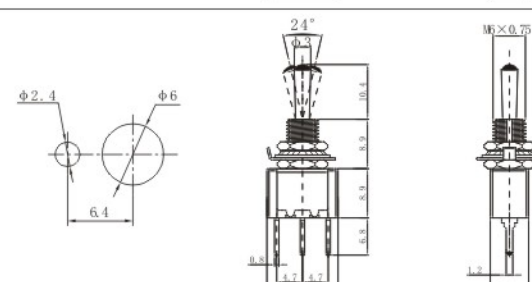
MTS-402 ON-ON  
MTS-403 ON-OFF-ON  
4PDT 12P



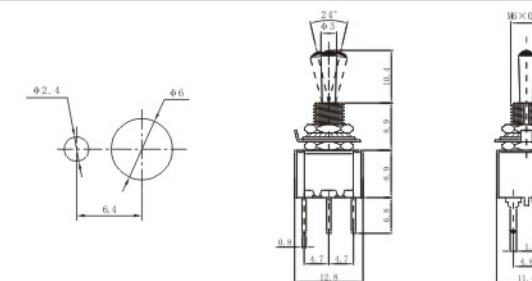
MTS-101-A2 ON-OFF  
MTS-111-A2 OFF-(ON)  
SPST 2P



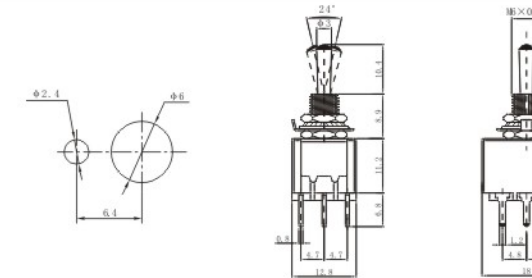
MTS-102-A2 ON-ON  
MTS-103-A2 ON-OFF-ON  
MTS-112-A2 ON-(ON)  
MTS-113-A2 ON-OFF-(ON)  
MTS-123-A2 (ON)-OFF-(ON)  
SPDT 3P



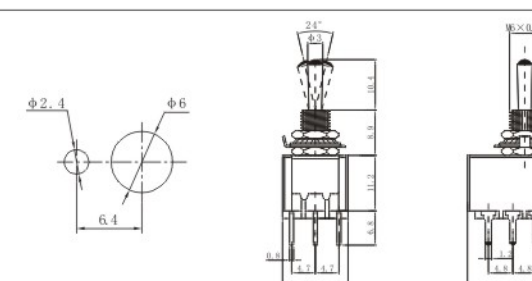
MTS-202-A2 ON-ON  
MTS-203-A2 ON-OFF-ON  
MTS-212-A2 ON-(ON)  
MTS-213-A2 ON-OFF-(ON)  
MTS-223-A2 (ON)-OFF-(ON)  
DPDT 6P



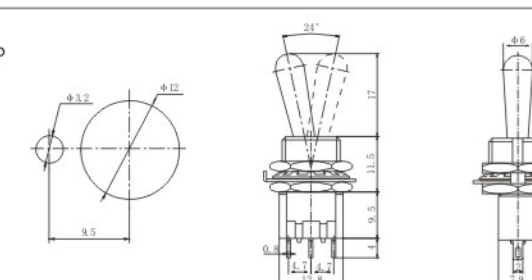
MTS-302-A2 ON-ON  
MTS-303-A2 ON-OFF-ON  
3PDT 9P



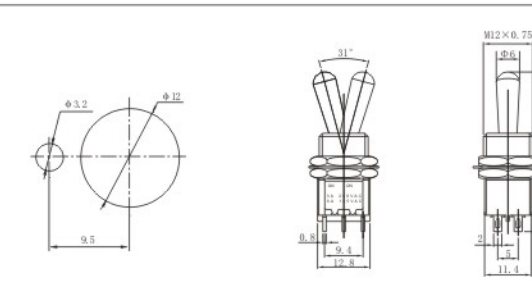
MTS-402-A2 ON-ON  
MTS-403-A2 ON-OFF-ON  
4PDT 12P



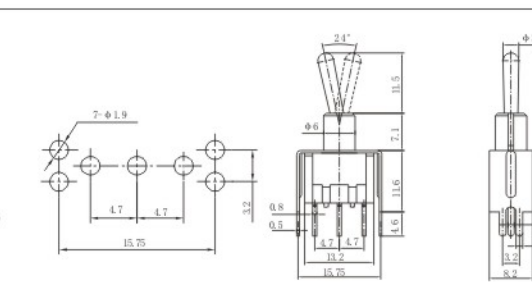
MTS-101-L1 ON-OFF SPST 2P  
MTS-102-L1 ON-ON  
MTS-103-L1 ON-OFF-ON  
MTS-113-L1 ON-OFF-(ON)  
MTS-123-L1 (ON)-OFF-(ON)  
SPDT 3P



MTS-202-L1 ON-ON  
MTS-203-L1 ON-OFF-ON  
MTS-213-L1 ON-OFF-(ON)  
MTS-223-L1 (ON)-OFF-(ON)  
DPDT 6P



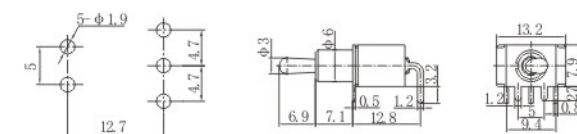
MTS-102-A2T ON-ON  
MTS-112-A2T ON-(ON)  
MTS-103-A2T ON-OFF-ON  
MTS-113-A2T ON-OFF-(ON)  
MTS-123-A2T (ON)-OFF-(ON)  
SPDT 3P



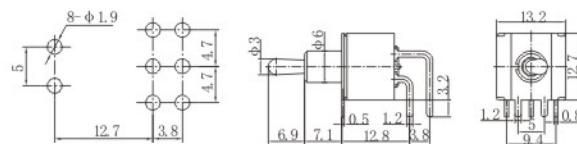




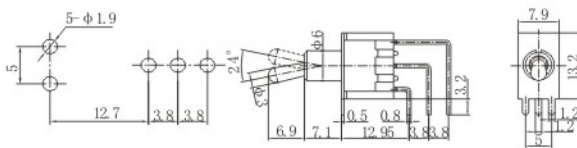
MTS-102-C3 ON-ON  
MTS-112-C3 ON-(ON)  
MTS-103-C3 ON-OFF-ON  
MTS-113-C3 ON-OFF-(ON)  
MTS-123-C3 (ON)-OFF-(ON)  
SPDT 3P



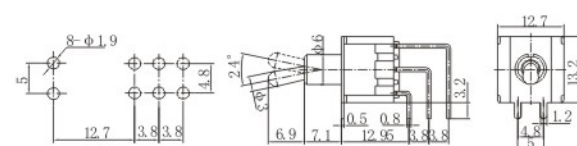
MTS-202-C3 ON-ON  
MTS-212-C3 ON-(ON)  
MTS-203-C3 ON-OFF-ON  
MTS-213-C3 ON-OFF-(ON)  
MTS-223-C3 (ON)-OFF-(ON)  
DPDT 6P



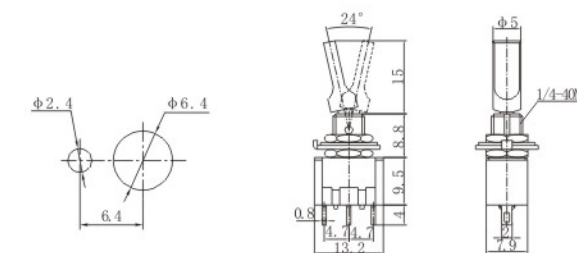
MTS-102-C4 ON-ON  
MTS-112-C4 ON-(ON)  
MTS-103-C4 ON-OFF-ON  
MTS-113-C4 ON-OFF-(ON)  
MTS-123-C4 (ON)-OFF-(ON)  
SPDT 3P



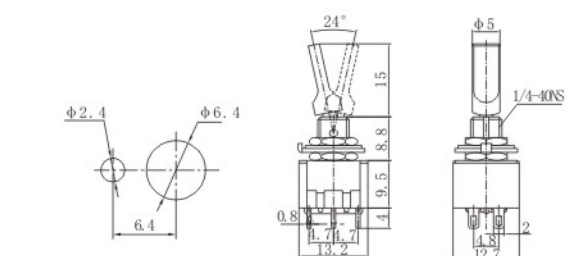
MTS-202-C4 ON-ON  
MTS-212-C4 ON-(ON)  
MTS-203-C4 ON-OFF-ON  
MTS-213-C4 ON-OFF-(ON)  
MTS-223-C4 (ON)-OFF-(ON)  
DPDT 6P



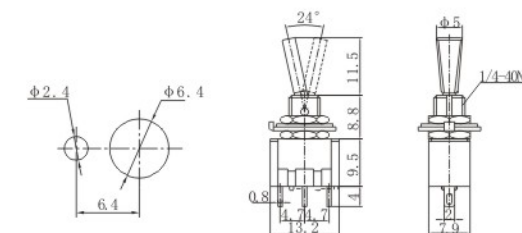
MTS-102-E1 ON-ON  
MTS-112-E1 ON-(ON)  
MTS-103-E1 ON-OFF-ON  
MTS-113-E1 ON-OFF-(ON)  
MTS-123-E1 (ON)-OFF-(ON)  
SPDT 3P



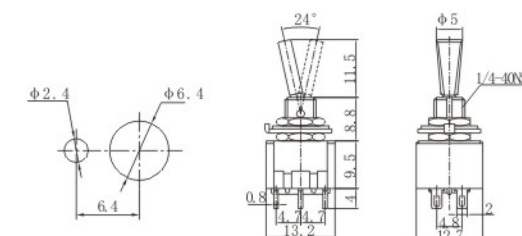
MTS-202-E1 ON-ON  
MTS-212-E1 ON-(ON)  
MTS-203-E1 ON-OFF-ON  
MTS-213-E1 ON-OFF-(ON)  
MTS-223-E1 (ON)-OFF-(ON)  
DPDT 6P



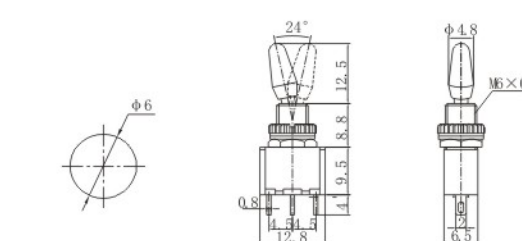
MTS-101-F1 ON-OFF SPST 2P  
MTS-102-F1 ON-ON  
MTS-112-F1 ON-(ON)  
MTS-103-F1 ON-OFF-ON  
MTS-113-F1 ON-OFF-(ON)  
MTS-123-F1 (ON)-OFF-(ON)  
SPDT 3P



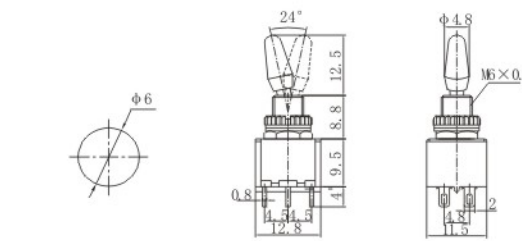
MTS-202-F1 ON-ON  
MTS-212-F1 ON-(ON)  
MTS-203-F1 ON-OFF-ON  
MTS-213-F1 ON-OFF-(ON)  
MTS-223-F1 (ON)-OFF-(ON)  
DPDT 6P



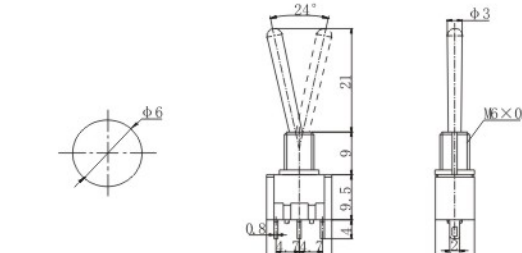
KNX-1-D1 ON-ON  
KNX-103-D1 ON-OFF-ON  
SPDT 3P  
Available Color: R,G,Y,BL,BK,W



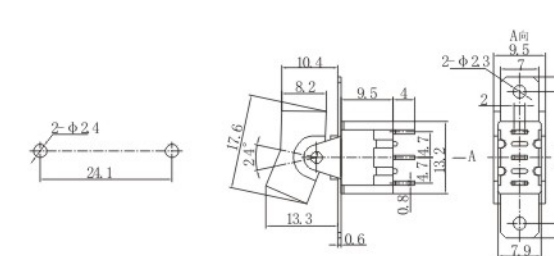
KNX-2-D1 ON-ON  
KNX-203-D1 ON-OFF-ON  
DPDT 6P  
Available Color: R,G,Y,BL,BK,W



MTS-102-B1 ON-ON  
MTS-112-B1 ON-(ON)  
SPDT 3P



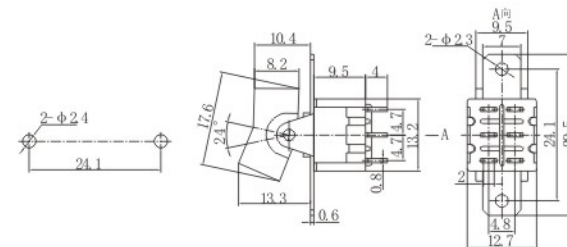
RLS-102-A1 ON-ON  
RLS-112-A1 ON-(ON)  
RLS-103-A1 ON-OFF-ON  
RLS-113-A1 ON-OFF-(ON)  
RLS-123-A1 (ON)-OFF-(ON)  
SPDT 3P



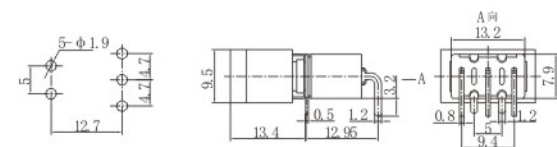




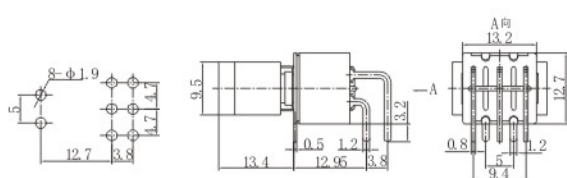
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RLS-212-A1 ON-(ON)  
RLS-203-A1 ON-OFF-ON  
RLS-213-A1 ON-OFF-(ON)  
RLS-223-A1 (ON)-OFF-(ON)  
DPDT 6P



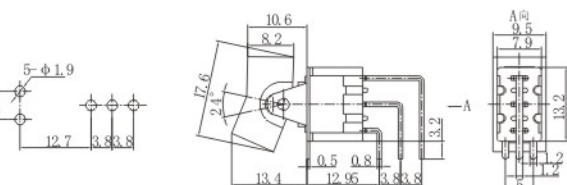
RLS-102-A3 ON-ON  
RLS-112-A3 ON-(ON)  
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RLS-113-A3 ON-OFF-(ON)  
RLS-123-A3 (ON)-OFF-(ON)  
SPDT 3P



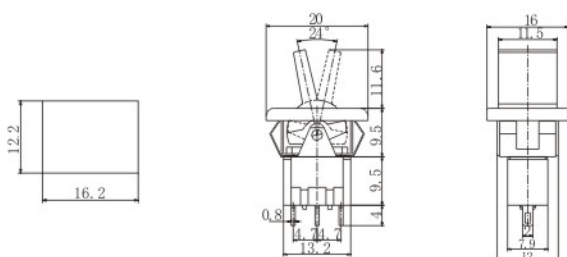
RLS-202-A3 ON-ON  
RLS-212-A3 ON-(ON)  
RLS-203-A3 ON-OFF-ON  
RLS-213-A3 ON-OFF-(ON)  
RLS-223-A3 (ON)-OFF-(ON)  
DPDT 6P



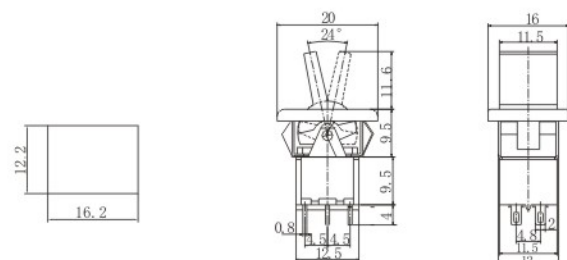
RLS-102-A4 ON-ON  
RLS-112-A4 ON-(ON)  
RLS-103-A4 ON-OFF-ON  
RLS-113-A4 ON-OFF-(ON)  
RLS-123-A4 (ON)-OFF-(ON)  
SPDT 3P



RLS-102-F1 ON-ON  
RLS-112-F1 ON-(ON)  
RLS-103-F1 ON-OFF-ON  
RLS-113-F1 ON-OFF-(ON)  
RLS-123-F1 (ON)-OFF-(ON)  
SPDT 3P



RLS-202-F1 ON-ON  
RLS-212-F1 ON-(ON)  
RLS-203-F1 ON-OFF-ON  
RLS-213-F1 ON-OFF-(ON)  
RLS-223-F1 (ON)-OFF-(ON)  
DPDT 6P



## 中型钮子开关 Medium Toggle Switch

### 技术特性 Specifications

- 规格 Rating: ( ) 10A 125VAC; 6A 250VAC  
(A) 15A 125VAC; 10A 250VAC  
(AA) 20A 125VAC; 15A 250VAC
- 接触电阻 Contact Resistance: 50mΩ max

- 绝缘电阻 Insulation Resistance: 500VDC 1000MΩ Min
- 耐电压 Dielectric Strength: 1500VAC, 1Minute
- 操作温度 Operating Temperature: -25℃~+85℃
- 电气寿命 Electrical Life: ≥10,000 Cycles

### 选型说明 How to order

| KN3                     | C | - | 1                                            | 02 | A                                                                                                                       | P | E                                          | - | BN |
|-------------------------|---|---|----------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------|---|----|
| 钮子外壳类型<br>Housing shape |   |   | 刀数<br>Poles                                  |    | 电路特性<br>Switch Function                                                                                                 |   | 基座颜色<br>Housing color                      |   |    |
| A<br>B<br>C<br>D<br>E   |   |   | 1 1 pole<br>2 2 pole<br>3 3 pole<br>4 4 pole |    | 01 ON-OFF<br>02 ON-ON<br>11 OFF-(ON)<br>12 ON-(ON)(单复位)<br>03 ON-OFF-ON<br>13 ON-OFF-(ON)(单复位)<br>23 (ON)-OFF-(ON)(双复位) |   | BK 黑色 Black<br>BN 棕色 Brown<br>OG 橘黄 Orange |   |    |
|                         |   |   |                                              |    |                                                                                                                         |   |                                            |   |    |
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( ) : Means Momentary

### 防水帽 Waterproof Cover



WPC-06



WPC-11A



WPC-12



WPC-08



WPC-09

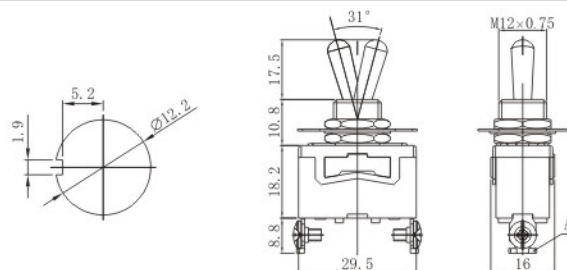


WPC-10

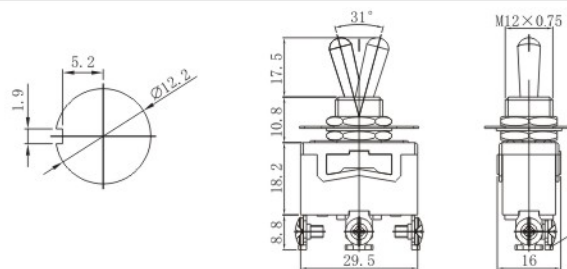




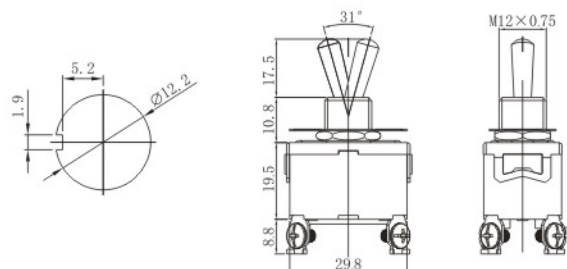
KN3C-101 ON-OFF  
KN3C-111 OFF-(ON)  
SPST 2P



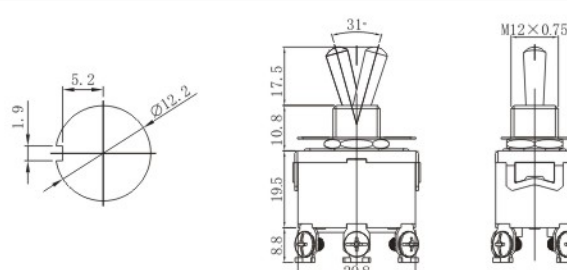
KN3C-102 ON-ON  
KN3C-112 ON-(ON)  
KN3C-103 ON-OFF-ON  
KN3C-113 ON-OFF-(ON)  
KN3C-123 (ON)-OFF-(ON)  
SPDT 3P



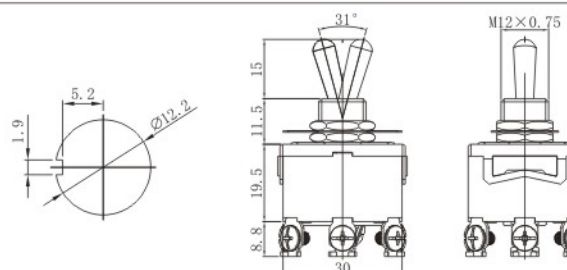
KN3C-201 ON-OFF  
KN3C-211 OFF-(ON)  
DPST 4P



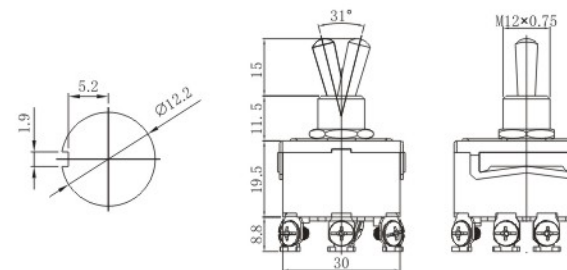
KN3C-202 ON-ON  
KN3C-212 ON-(ON)  
KN3C-203 ON-OFF-ON  
KN3C-213 ON-OFF-(ON)  
KN3C-223 (ON)-OFF-(ON)  
DPDT 6P



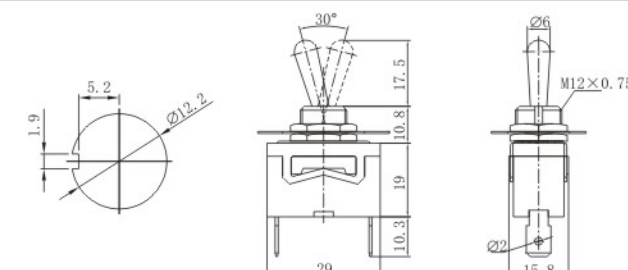
KN3C-302 ON-ON  
KN3C-303 ON-OFF-ON  
3PDT 9P



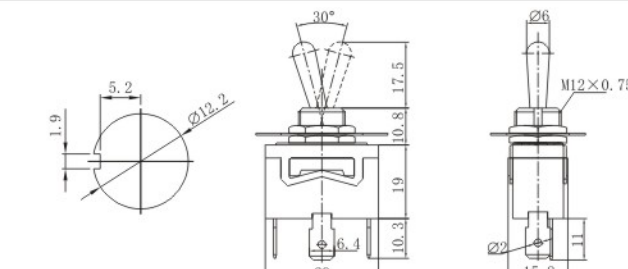
KN3C-402 ON-ON  
KN3C-403 ON-OFF-ON  
4PDT 12P



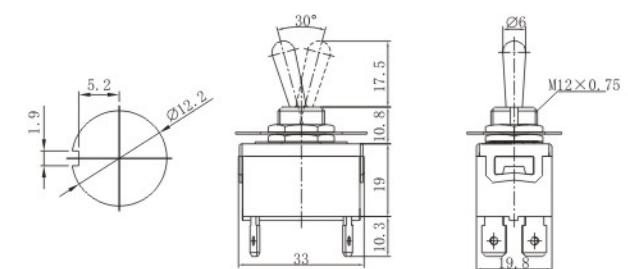
KN3C-101P ON-OFF  
KN3C-111P OFF-(ON)  
SPST 2P



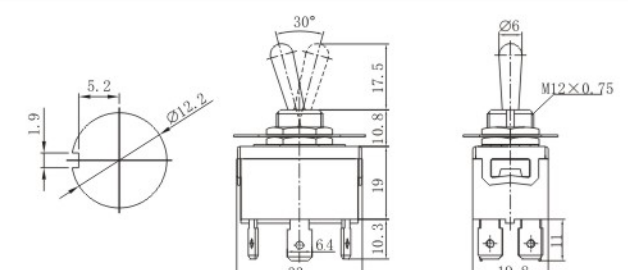
KN3C-102P ON-ON  
KN3C-112P ON-(ON)  
KN3C-103P ON-OFF-ON  
KN3C-113P ON-OFF-(ON)  
KN3C-123P (ON)-OFF-(ON)  
SPDT 3P



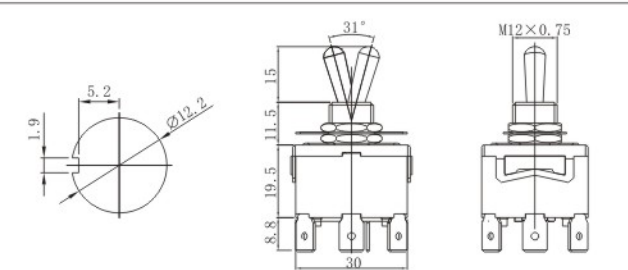
KN3C-201P ON-OFF  
KN3C-211P OFF-(ON)  
DPST 4P



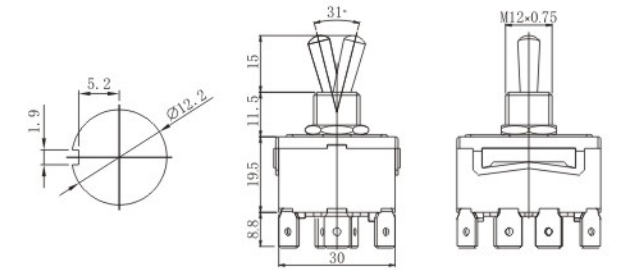
KN3C-202P ON-ON  
KN3C-212P ON-(ON)  
KN3C-203P ON-OFF-ON  
KN3C-213P ON-OFF-(ON)  
KN3C-223P (ON)-OFF-(ON)  
DPDT 6P



KN3C-302P ON-ON  
KN3C-303P ON-OFF-ON  
3PDT 9P



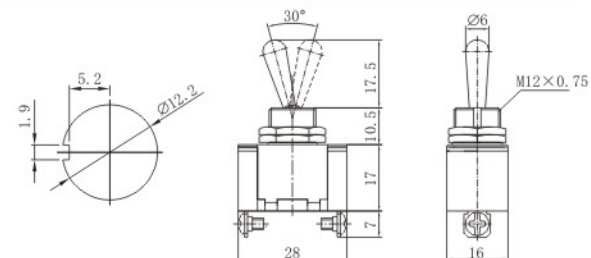
KN3C-402P ON-ON  
KN3C-403P ON-OFF-ON  
4PDT 12P



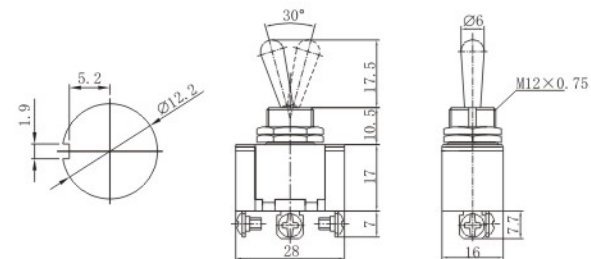




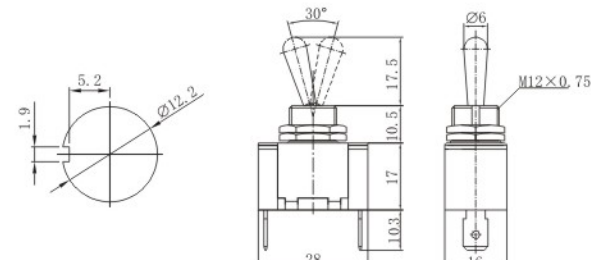
**KN3A-101** ON-OFF  
SPST 2P



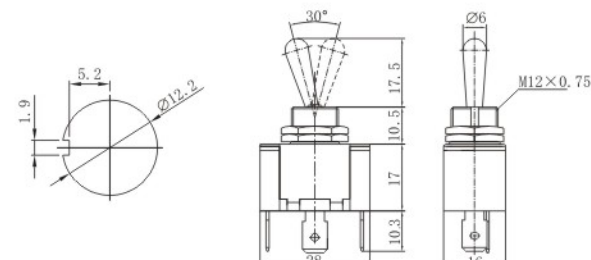
**KN3A-102** ON-ON  
**KN3A-112** ON-(ON)  
**KN3A-103** ON-OFF-ON  
**KN3A-113** ON-OFF-(ON)  
**KN3A-123** (ON)-OFF-(ON)  
SPDT 3P



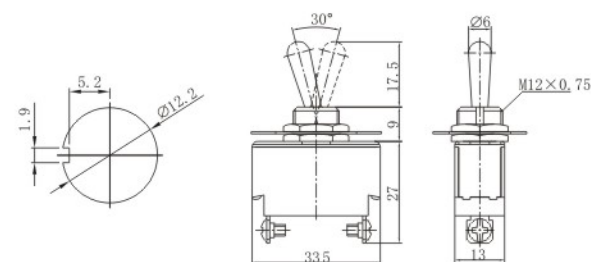
**KN3A-101P** ON-OFF  
SPST 2P



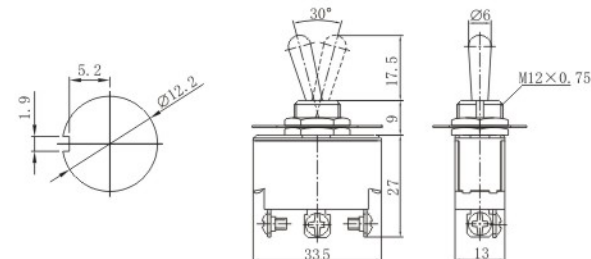
**KN3A-102P** ON-ON  
**KN3A-112P** ON-(ON)  
**KN3A-103P** ON-OFF-ON  
**KN3A-113P** ON-OFF-(ON)  
**KN3A-123P** (ON)-OFF-(ON)  
SPDT 3P



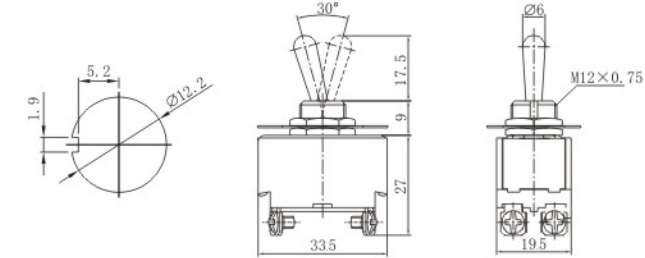
**KN3B-101** ON-OFF  
SPST 2P



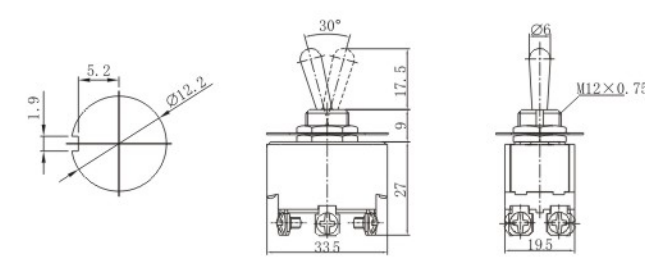
**KN3B-102** ON-ON  
**KN3B-112** ON-(ON)  
**KN3B-103** ON-OFF-ON  
**KN3B-113** ON-OFF-(ON)  
**KN3B-123** (ON)-OFF-(ON)  
SPDT 3P



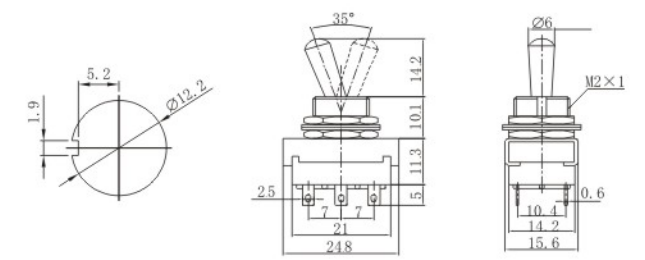
**KN3B-201** ON-OFF  
DPST 4P



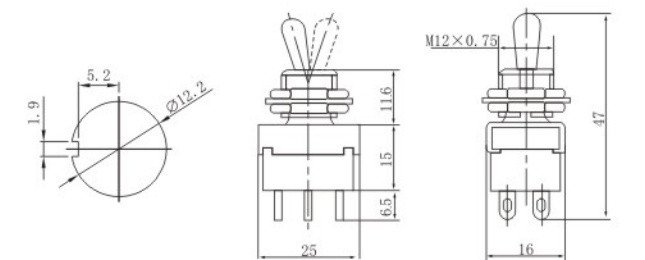
**KN3B-202** ON-ON  
**KN3B-212** ON-(ON)  
**KN3B-203** ON-OFF-ON  
**KN3B-213** ON-OFF-(ON)  
**KN3B-223** (ON)-OFF-(ON)  
DPDT 6P



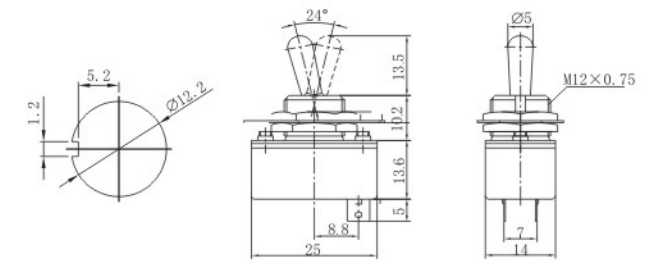
**KN-32** ON-ON  
DPDT 6P  
10A 125VAC; 5A 250VAC



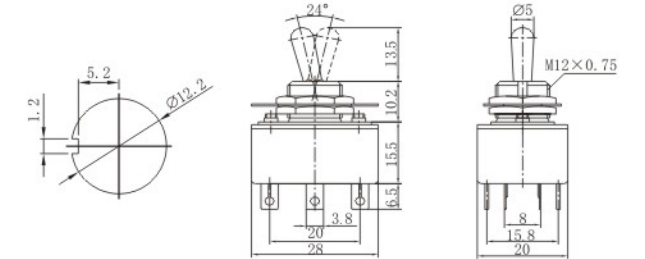
**KN3-3A** ON-ON  
DPDT 6P  
6A 125VAC; 3A 250VAC



**KN3-1** ON-OFF  
SPST 2P  
4A 125VAC; 2A 250VAC



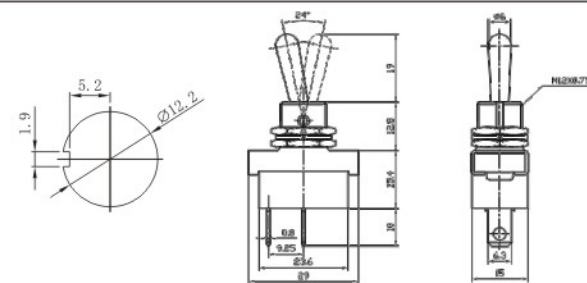
**KN3-2** ON-ON  
SPDT 4P  
**KN3-3** ON-ON  
DPDT 6P  
4A 125VAC; 2A 250VAC



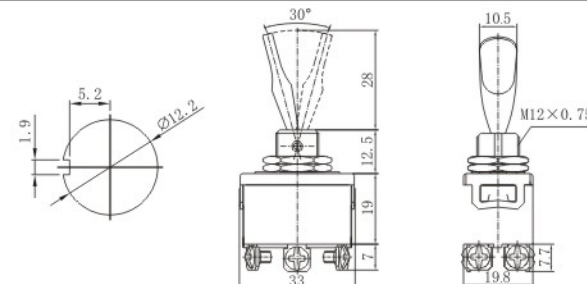




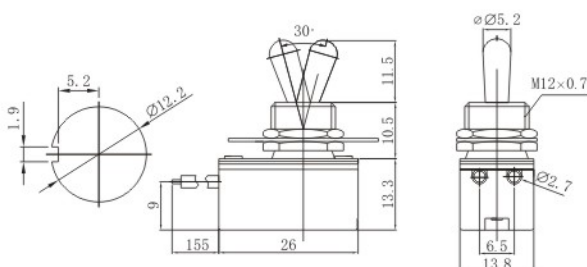
**KN3D-101** ON-OFF 2P  
**KN3D-102** ON-ON 3P  
**KN3D-103** ON-OFF-ON 3P  
6A 125VAC; 3A 250VAC;  
25A 12VDC



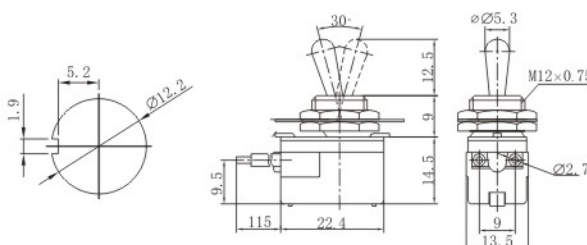
**KN3C-202E** ON-ON  
**KN3C-212E** ON-(ON)  
**KN3C-203E** ON-OFF-ON  
**KN3C-213E** ON-OFF-(ON)  
**KN3C-223E** (ON)-OFF-(ON)  
DPDT 6P



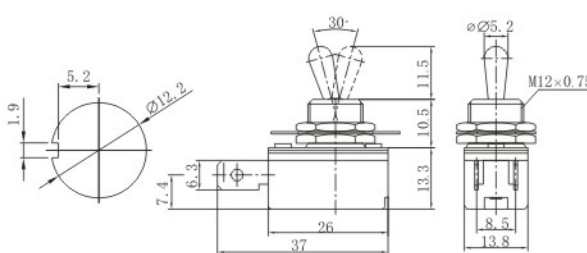
**KNS-1** ON-OFF  
SPST 2P  
6A 125VAC; 3A 250VAC;  
10A 12VDC



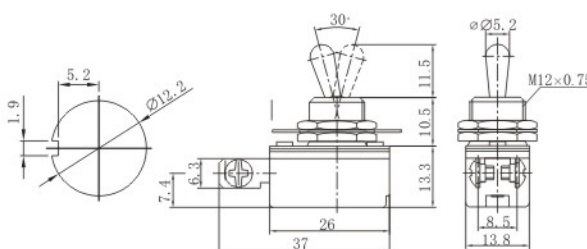
**KNS-2** ON-OFF  
SPST 2P  
6A 125VAC; 3A 250VAC;  
10A 12VDC



**KNH-1** ON-OFF  
SPST 2P  
6A 125VAC; 3A 250VAC;  
10A 12VDC



**KNH-1S** ON-OFF  
SPST 2P(Screw Terminals)  
6A 125VAC; 3A 250VAC;  
10A 12VDC



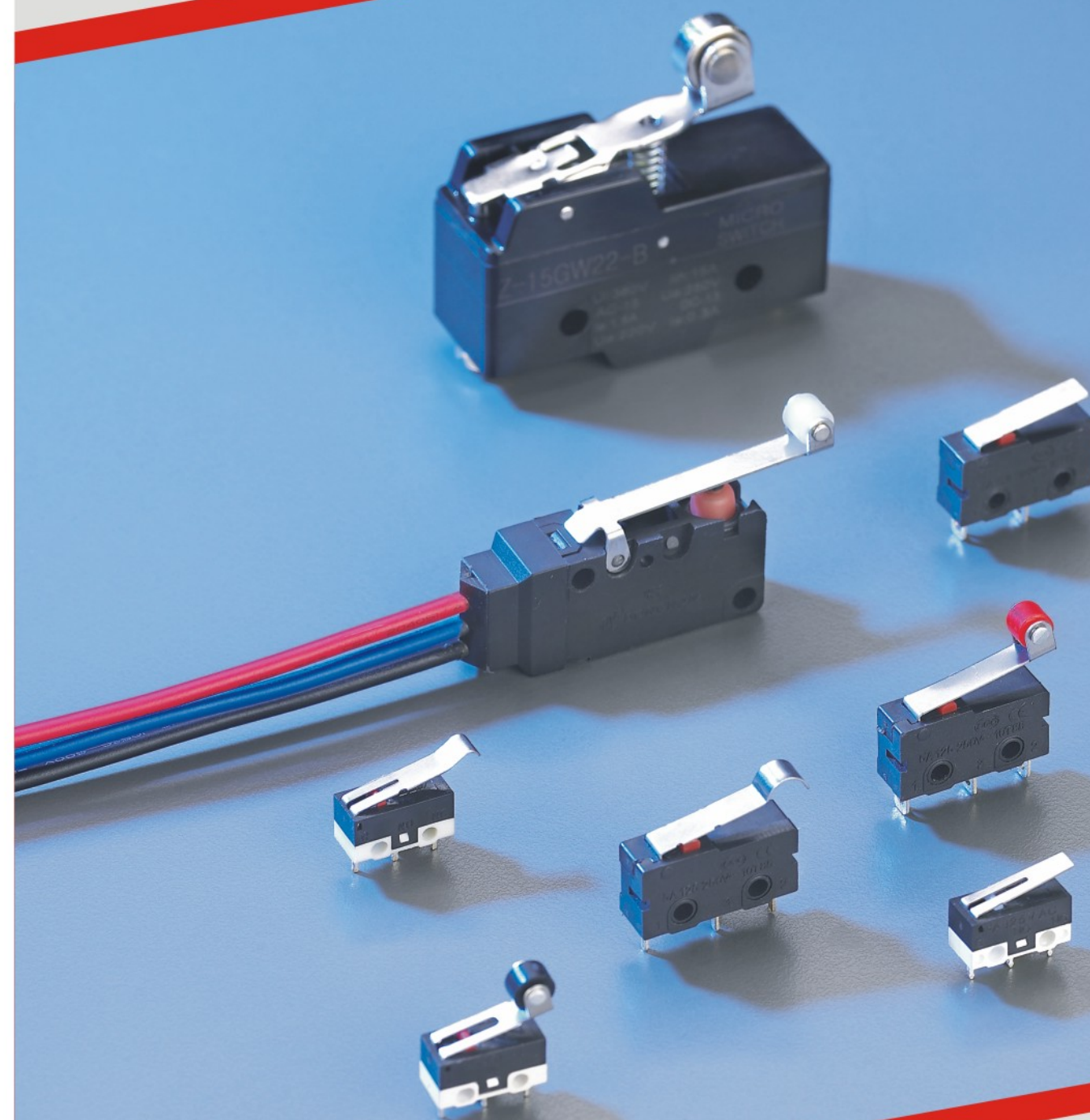
## Micro Switch

### 微动开关



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Manufacturer of Switches  
专业缔造高品质开关



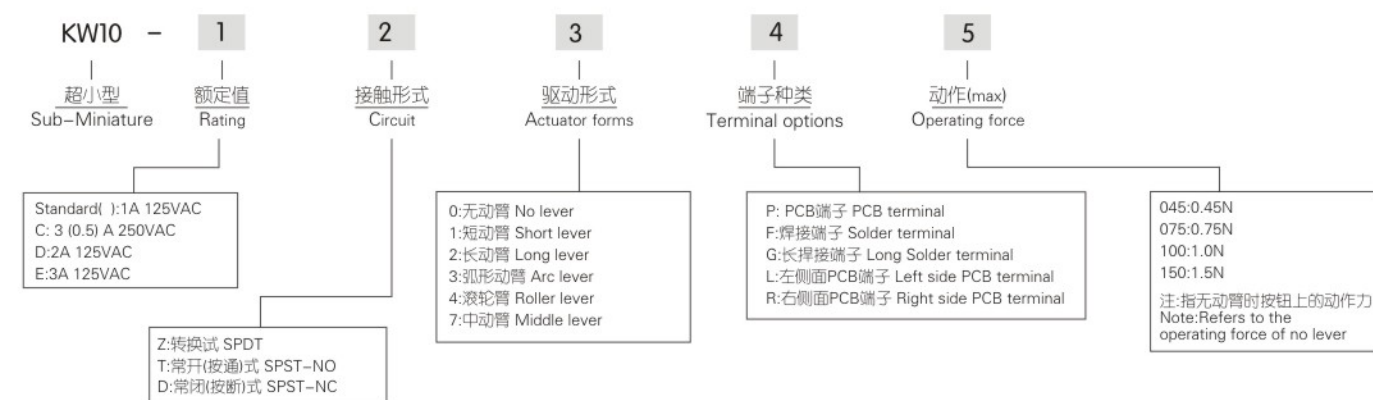


## 超小型微动开关 Sub-Miniature Micro Switch

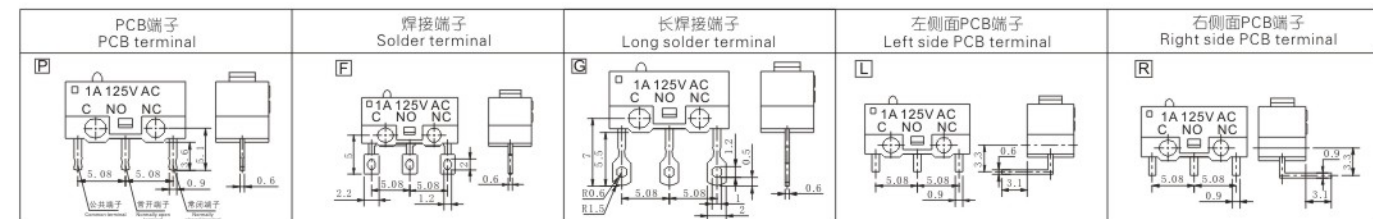
### 技术特性 Specifications

- |                                                                         |                                                  |
|-------------------------------------------------------------------------|--------------------------------------------------|
| 1. 规格 Rating: 1A~3A 125/250VAC                                          | 5. 操作温度 Operating Temperature: -25℃ ~ +75℃       |
| 2. 接触电阻 Contact Resistance: $\leq 50\text{m}\Omega$                     | 6. 环境湿度 Ambient Humidity Used: $<85\% \text{RH}$ |
| 3. 绝缘电阻 Insulation Resistance: $\geq 100\text{M}\Omega (500\text{VDC})$ | 6. 电气寿命 Electrical Life: $\geq 10,000$ Cycles    |
| 4. 耐电压 Dielectric strength: 600VAC 1Minute                              | 7. 机械寿命 Mechanical Life: $\geq 100,000$ Cycles   |

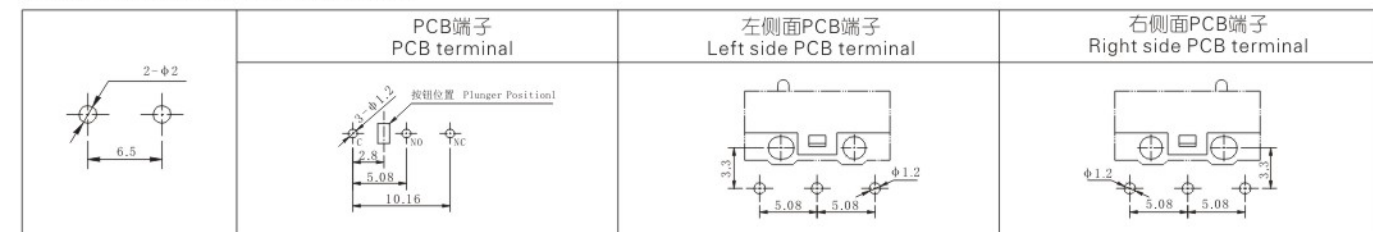
### 选型说明 How to order



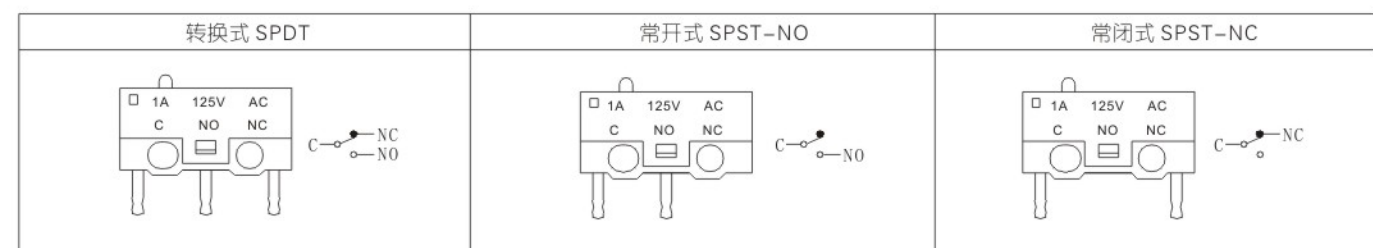
### 端子尺寸 Terminal dimensions



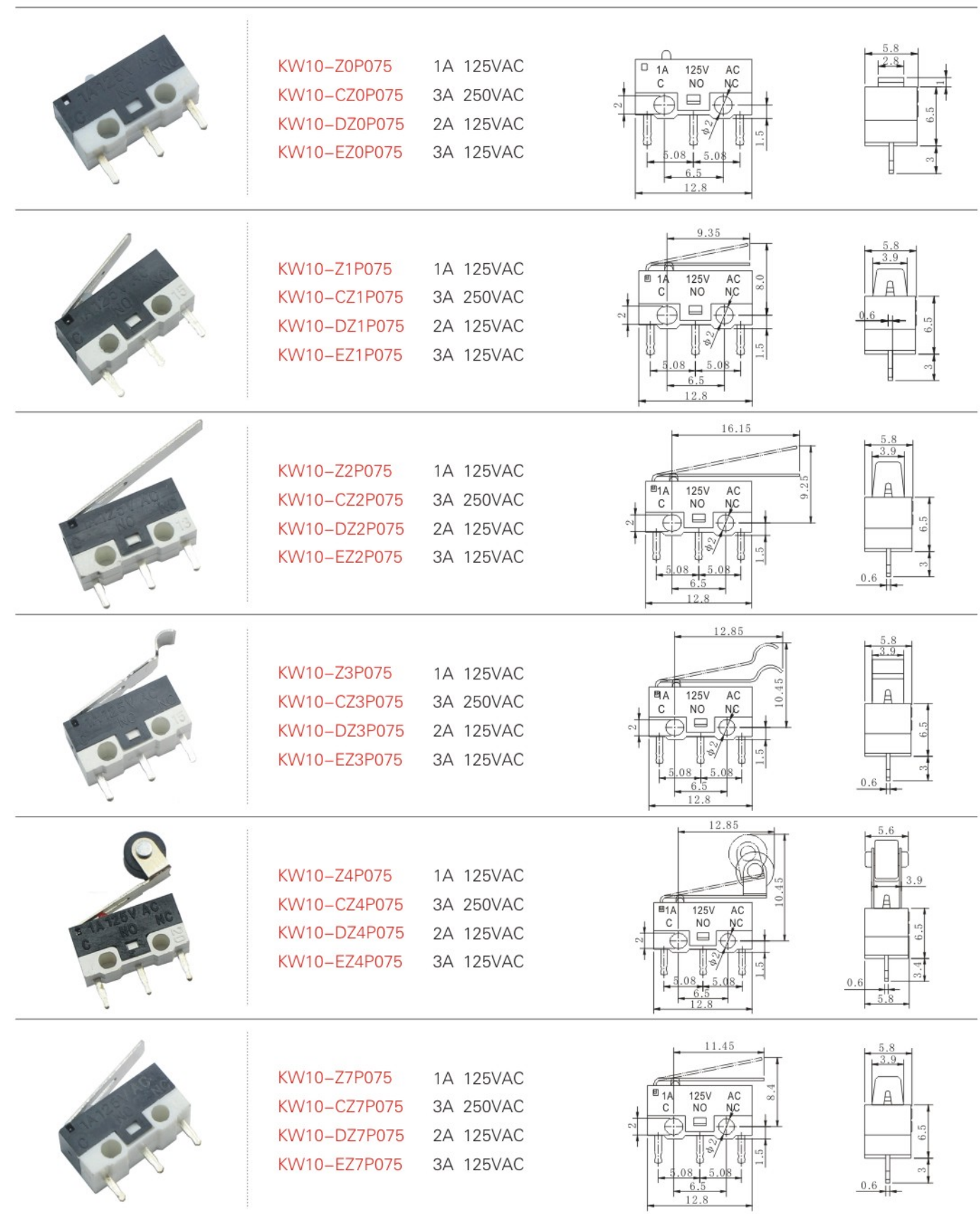
### 安装孔尺寸 Mounting hole dimensions



### 接触形式说明书 Circuit illustration



### 外形尺寸 Dimension



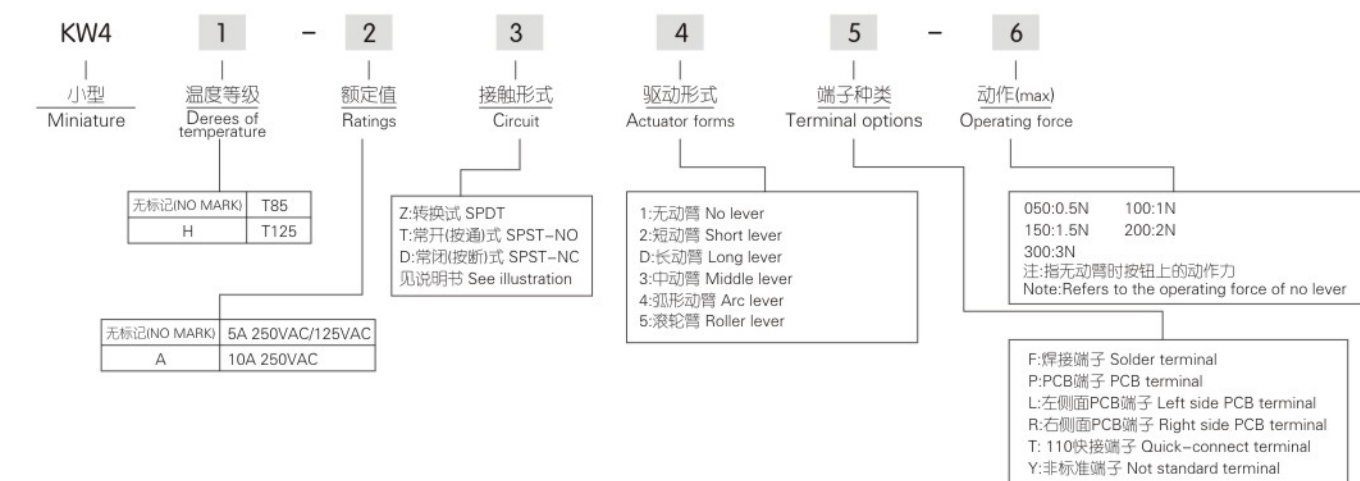


## 小型微动开关 Miniature Micro Switch

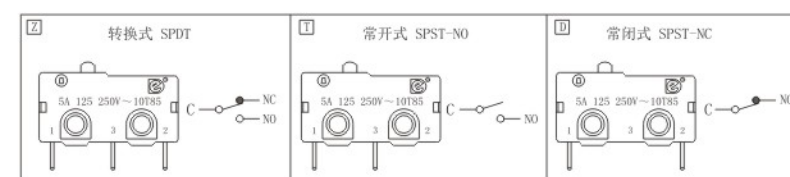
### 技术特性 Specifications

- |                                                                  |                                                 |
|------------------------------------------------------------------|-------------------------------------------------|
| 1. 规格 Rating: 5A~10A 125/250VAC                                  | 5. 操作温度 Operating Temperature: -25°C ~ +85°C    |
| 2. 接触电阻 Contact Resistance: $\leq 50\text{m}\Omega$              | 6. 环境湿度 Ambient Humidity Used: $<85\%\text{RH}$ |
| 3. 绝缘电阻 Insulation Resistance: $\geq 100\text{M}\Omega$ (500VDC) | 6. 电气寿命 Electrical Life: $\geq 10,000$ Cycles   |
| 4. 耐电压 Dielectric strength: 1000VAC 1Minute                      | 7. 机械寿命 Mechanical Life: $\geq 100,000$ Cycles  |

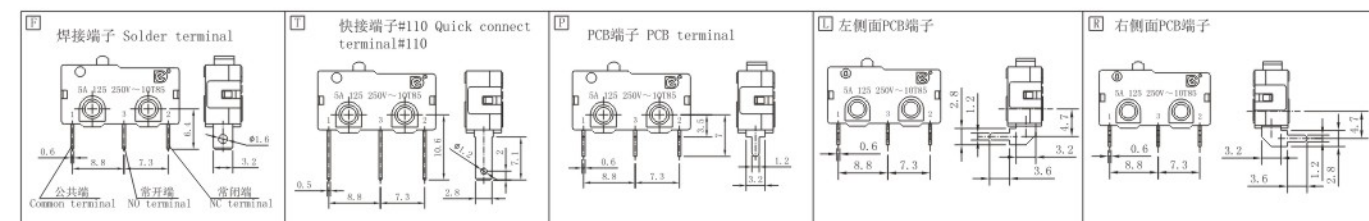
### 选型说明 How to order



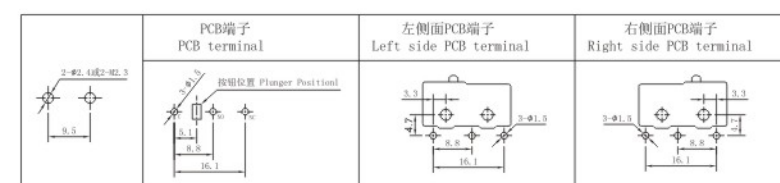
### 接触形式说明书 Circuit illustration



### 接线端子尺寸 Terminal dimensions



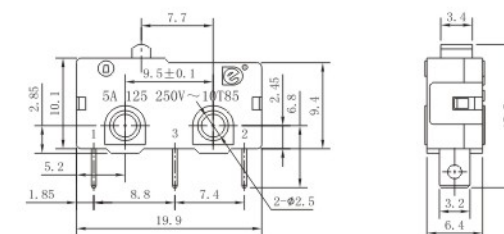
### 安装孔尺寸 Mounting hole dimensions



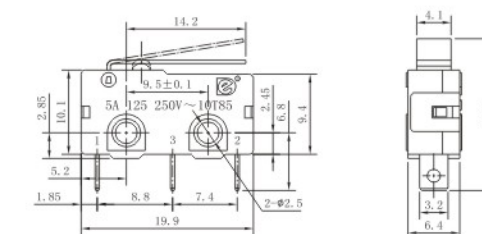
### 外形尺寸 Dimension



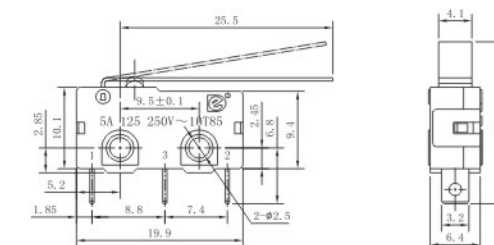
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KW4-Z1F200



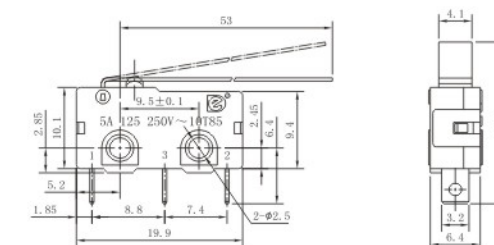
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KW4-Z2F200



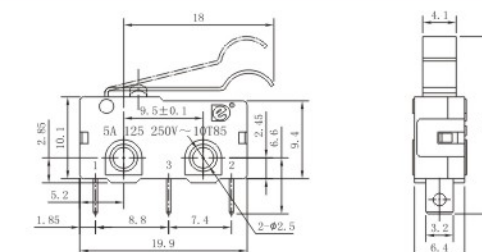
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KW4-Z3F200



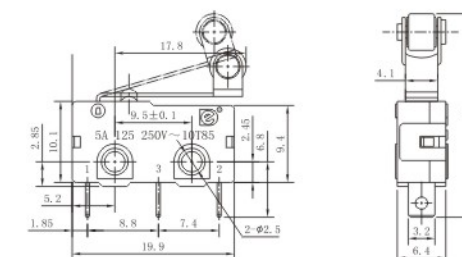
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KW4-ZDF150  
KW4-ZDF200



KW4-Z4F100  
KW4-Z4F150  
KW4-Z4F200



KW4-Z5F100  
KW4-Z5F150  
KW4-Z5F200





## 中型微动开关系列 Medium Micro Switch

### 技术特性 Specifications

- 规格 Rating: 16A 250VAC/20A 125VAC
- 接触电阻 Contact Resistance:  $\leq 30\text{m}\Omega$
- 绝缘电阻 Insulation Resistance:  $\geq 100\text{M}\Omega$  (500VDC)
- 耐电压 Dielectric strength: 1500VAC 1Minute
- 操作温度 Operating Temperature:  $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- 环境湿度 Ambient Humidity Used:  $<85\%\text{RH}$
- 电气寿命 Electrical Life:  $\geq 10,000$  Cycles
- 机械寿命 Mechanical Life:  $\geq 100,000$  Cycles

注:指无动臂时按钮上的动作力 Note:Refers to the operating force of no lever

### 选型说明 How to order

| KW1-103                                                                                                                                                                           | 1                                                                                                                                                                                                                                           | 2             | 3                                                                             | 4                                                                                                                                                                                                                                                                                                                                                                                                                         | 5                                                                                                                                                                                                                                                                                                                             | 6                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 中型<br>Medium                                                                                                                                                                      | 温度等级<br>Derates of temperature                                                                                                                                                                                                              | 额定值<br>Rating | 接触形式<br>Circuit                                                               | 驱动形式<br>Actuator forms                                                                                                                                                                                                                                                                                                                                                                                                    | 端子种类<br>Terminal options                                                                                                                                                                                                                                                                                                      | 动作(max)<br>Operating force |
| 无标记(INO MARK)<br>T<br>H<br>G                                                                                                                                                      | T85,10T105<br>T125<br>T150<br>T200                                                                                                                                                                                                          |               | Z:转换式 SPDT<br>T:常开(接通)式 SPST-NO<br>D:常闭(断开)式 SPST-NC<br>见说明书 See illustration | 1:无动臂 No lever<br>A2/2:短动臂 Short lever<br>A3/3:中动臂 Middle lever<br>A4/4:长动臂 Long lever<br>A5/5:弧形动臂 Arc lever<br>A6/6:短滚轮臂 Roller lever<br>A7/7:长滚轮臂 Long roller<br>A11/11大弯臂条 Big Arc lever<br>A12/12长大弯臂条 Long Big Arc lever<br>A13/13三角形臂条 Arc Roller lever<br>注:1)A表示动臂安装在靠近按钮位置,无字<br>每A表示动臂安装在离按钮较远位置。<br>Note:1)A indicate the lever near to the<br>plunger, no A indicate the lever<br>far away from the plunger. | 050: 0.5N 100: 1N<br>150: 1.5N 200: 2N<br>300: 3N 400: 4N                                                                                                                                                                                                                                                                     |                            |
| KW1-103:<br>25(10):25(10)A250VAC<br>25:25(4)A250VAC<br>16:16(4)A250VAC/16A 125VAC<br><br>KW1-103T:<br>21:21(4)A250VAC<br>16:16(4)A250VAC/16A 125VAC<br>10:10(3)A250VAC/10A 125VAC | 05:5(2)A250VAC/5A125VAC<br>01:1(0.3)A250VAC/1A125VAC<br>KW1-103H:<br>10:10(3) A250VAC/10A125VAC<br>5:5(2)A250VAC/5A125VAC<br>KW1-103G:<br>22:22A125VAC<br>10:10A125VAC<br>05:05A125VAC/0.1A30VDC, 1A30VDC<br>01:1A125VAC/0.1A30VDC, 1A30VDC |               |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                           | A:250快接端子 Quick-connect terminal<br>B:焊接/快接#187共用端子(t=0.8mm)<br>Solder/Quick-connect terminal#187<br>C:187快接端子(t=0.5mm)<br>187 quick-connect terminal(t=0.5mm)<br>D:左侧面PCB端子 Left side PCB terminal<br>E:螺钉端子 Screw terminal<br>F:焊接端子 Solder terminal<br>G:右侧面PCB端子 Right side PCB terminal<br>Y:非标准端子 Not standard terminal |                            |

### 接触形式说明书 Circuit illustration

| 公共端子类型<br>Common terminal types  | 转换式 SPDT | 常闭式 SPST-NC | 常开式 SPST-NO | 公共端子类型<br>Common terminal types | 转换式 SPDT | 常闭式 SPST-NC | 常开式 SPST-NO |
|----------------------------------|----------|-------------|-------------|---------------------------------|----------|-------------|-------------|
| 公共端在底部<br>Bottom common terminal |          |             |             | 公共端在侧面<br>Side common terminal  |          |             |             |

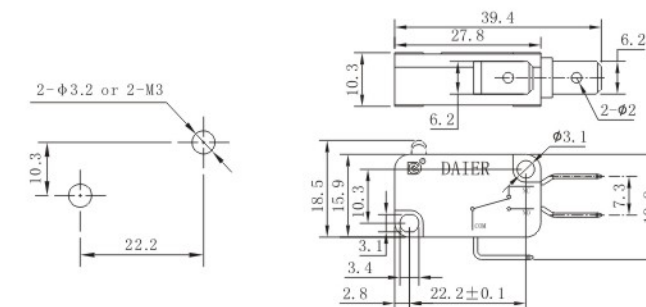
### 接线端子尺寸 Terminal dimensions

| 快接端子#250(t=0.8mm)<br>Quick-connect terminal#250 | 焊接/快接#187共用端子(t=0.8mm)<br>Solder/Quick-connect terminal#187 | 快接端子#187(t=0.5mm)<br>Quick-connect terminal#187 | 左侧面PCB端子<br>Left side PCB terminal | 螺钉端子<br>Screw terminal | 焊接端子<br>Solder terminal | 右侧面PCB端子<br>Right side PCB terminal |
|-------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------------------|
|                                                 |                                                             |                                                 |                                    |                        |                         |                                     |

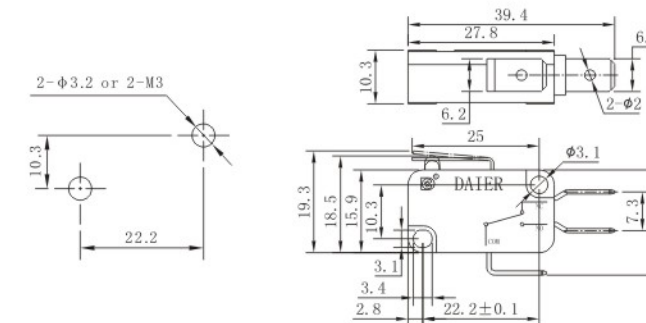
### 外形尺寸 Dimension



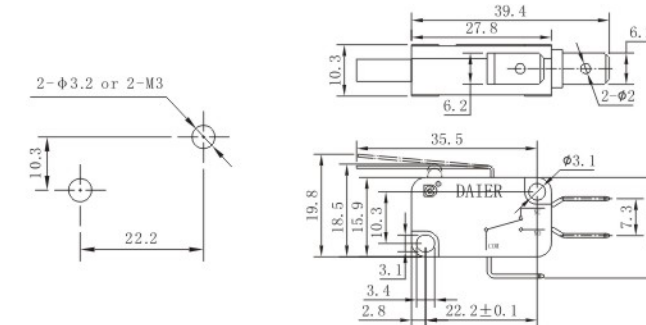
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KW1-103-Z1A150  
KW1-103-Z1A200  
KW1-103-Z1A300



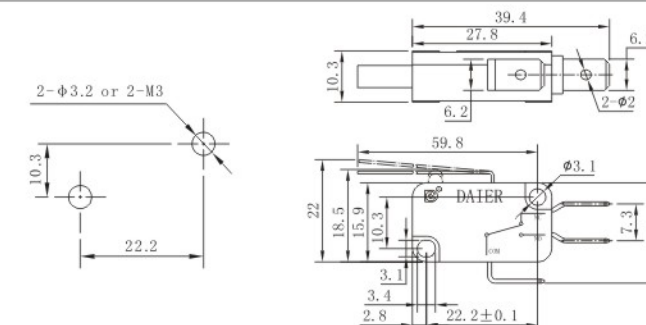
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KW1-103-Z2A150  
KW1-103-Z2A200  
KW1-103-Z2A300



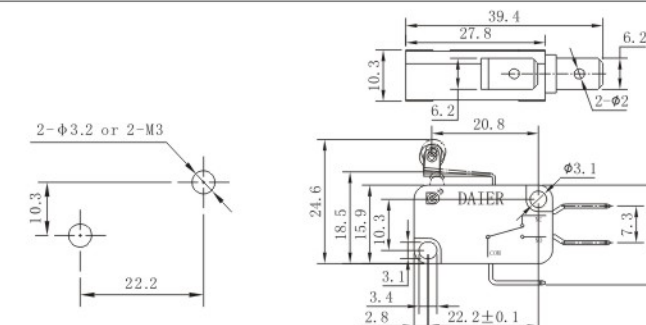
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KW1-103-Z3A200  
KW1-103-Z3A300



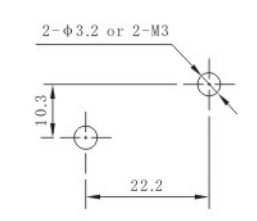
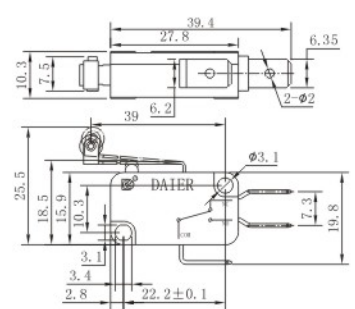
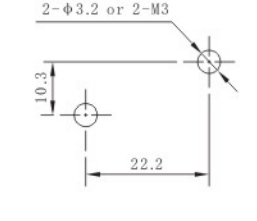
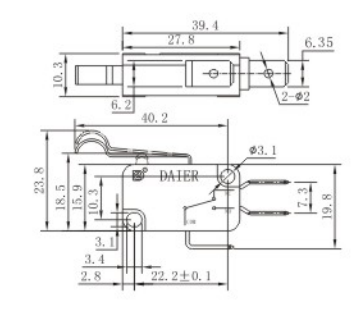
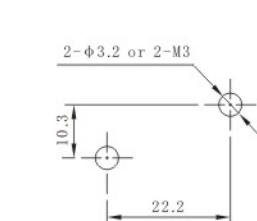
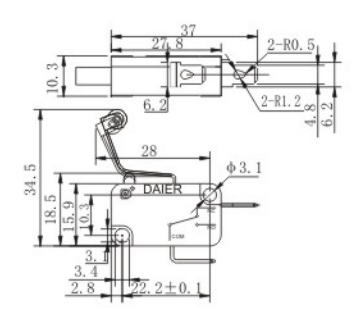
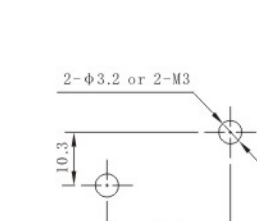
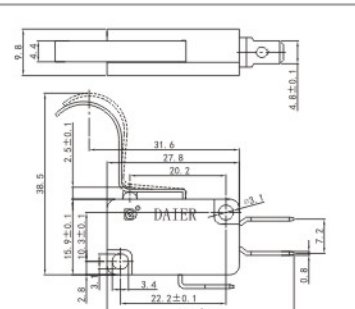
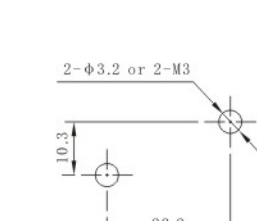
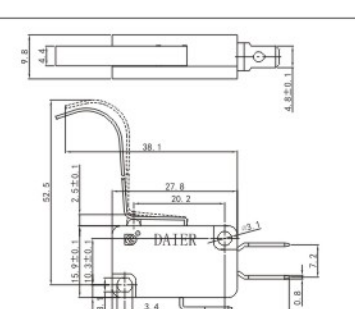
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KW1-103-Z4A150  
KW1-103-Z4A200  
KW1-103-Z4A300

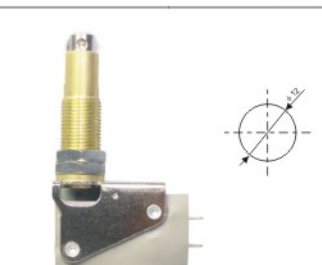


KW1-103-Z6A100  
KW1-103-Z6A150  
KW1-103-Z6A200  
KW1-103-Z6A300





|                                                                                     |                                                                                    |                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>KW1-103-Z7A100<br/>KW1-103-Z7A150<br/>KW1-103-Z7A200<br/>KW1-103-Z7A300</p>     |       |
|    | <p>KW1-103-Z5A100<br/>KW1-103-Z5A150<br/>KW1-103-Z5A200<br/>KW1-103-Z5A300</p>     |       |
|  | <p>KW1-103-D13B100<br/>KW1-103-D13B150<br/>KW1-103-D13B200<br/>KW1-103-D13B300</p> |    |
|  | <p>KW1-103-Z11A100<br/>KW1-103-Z11A150<br/>KW1-103-Z11A200<br/>KW1-103-Z11A300</p> |   |
|  | <p>KW1-103-Z12A100<br/>KW1-103-Z12A150<br/>KW1-103-Z12A200<br/>KW1-103-Z12A300</p> |   |

|                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    |
| KW1-103-Z10B200                                                                       | WK1-1<br>6A 125V; 3A 250VAC                                                           | G303-A3 0.1A 250VAC<br>3A12VDC IP67                                                   |
|    |    |    |
| DS-438 ON-(ON)<br>16A 250VAC                                                          | HS-1 有声型                                                                              | G303-A8 0.1A 250VAC<br>3A12VDC IP67                                                   |
|   |   |   |
| KW1-103-Z2B-D                                                                         | LXW20-11<br>15A 380VAC                                                                | WS1-Z3-F150<br>5A 250VAC IP67                                                         |
|  |  |  |
| KW1-103-Q<br>Air Pressure Switch                                                      | KW-1037                                                                               | WS1-Z6-W150R200<br>5A 250VAC IP67                                                     |
|  |  |  |
| BVM3 ON-(OFF)<br>10A 250VAC; 15A 125VAC                                               | KW-1038                                                                               | WS2-Z6F200<br>10A 125/250VAC IP67                                                     |
|  |  |  |
| WK3-1<br>6A 125VAC; 3A 250VAC                                                         | KW-1039                                                                               | WS2-Z4W200<br>10A 125/250VAC IP67                                                     |



|                                                                                     |                                                                                     |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |     |
| Z-15G-B                                                                             | Z-15HW24-B                                                                          | D4MC-1000                                                                             |
|    |    |     |
| Z-15GD-B                                                                            | Z-15HW78-B                                                                          | D4MC-1020                                                                             |
|   |   |    |
| Z-15GW21-B                                                                          | Z-15GW2277-B                                                                        | D4MC-2000                                                                             |
|  |  |   |
| Z-15GW-B                                                                            | Z-15GQ-B                                                                            | D4MC-2020                                                                             |
|  |  |   |
| Z-15GW22-B                                                                          | Z-15GQ22-B                                                                          | D4MC-5000                                                                             |
|  |  |  |
| Z-15GW2-B                                                                           | Z-15GQ21-B                                                                          | D4MC-5020                                                                             |

## Rocker Switch

### 船型开关

UL US CE CQC RoHS

www.chinadaier.com

ISO9001 Professional  
Manufacturer of Switches  
专业缔造高品质开关





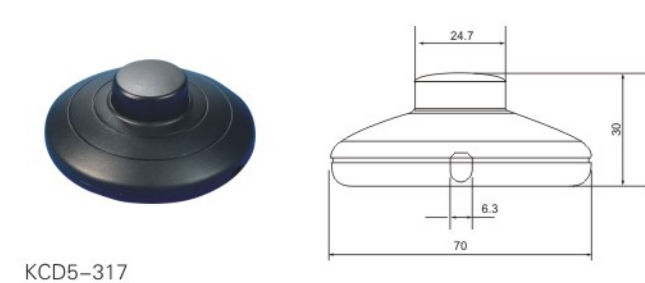
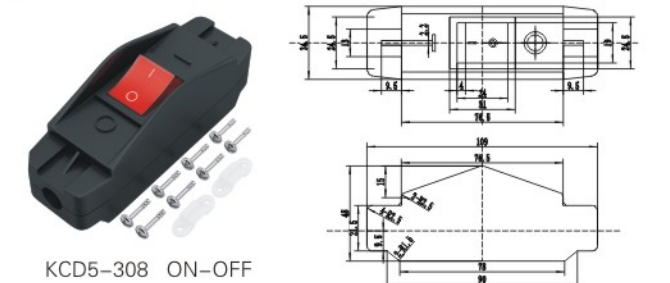
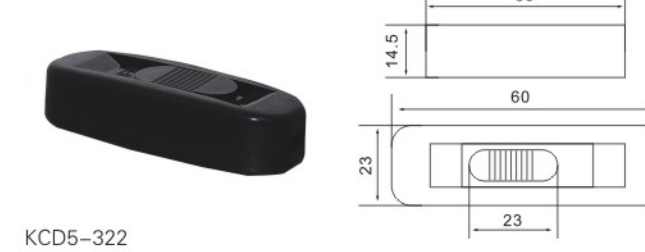
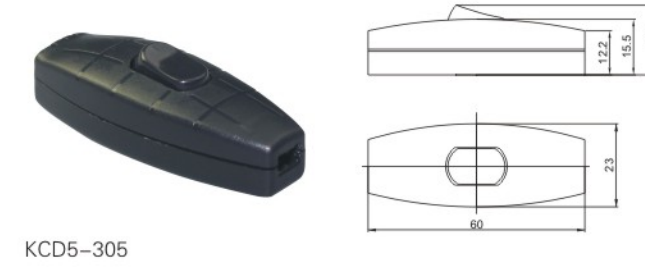
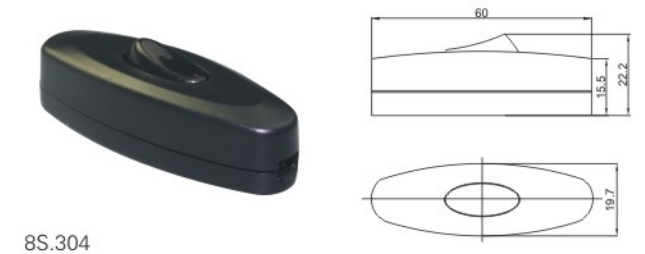
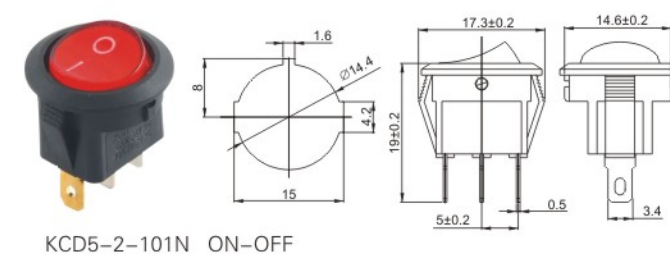
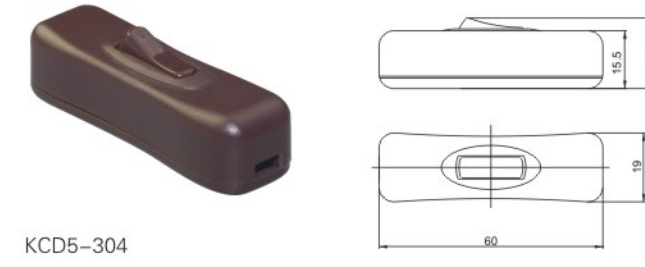
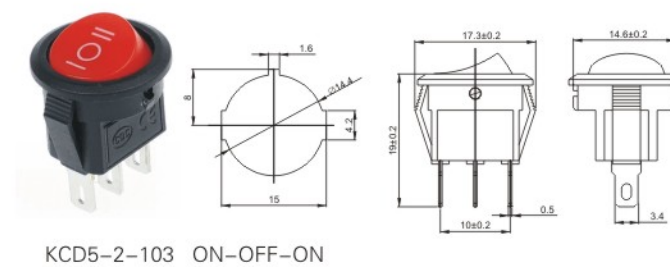
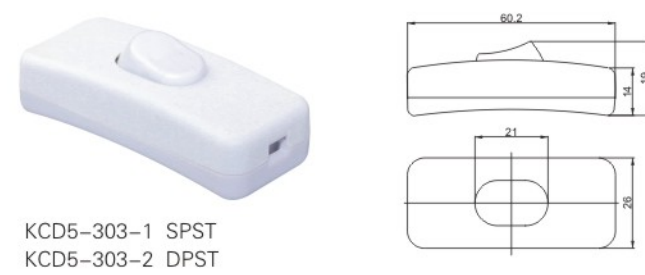
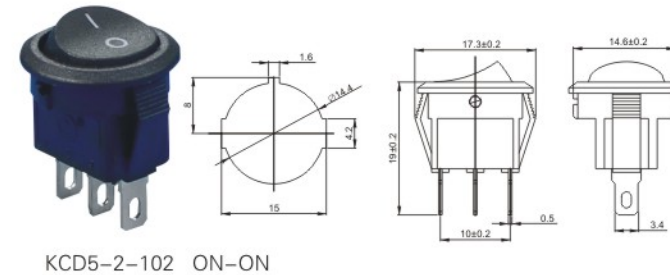
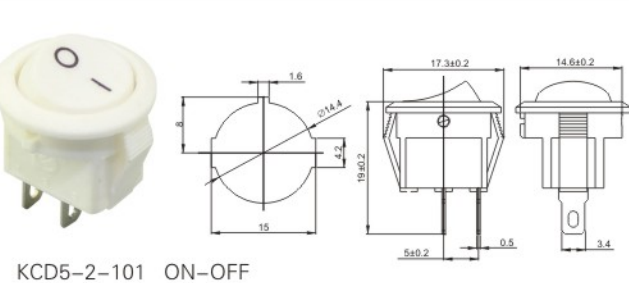
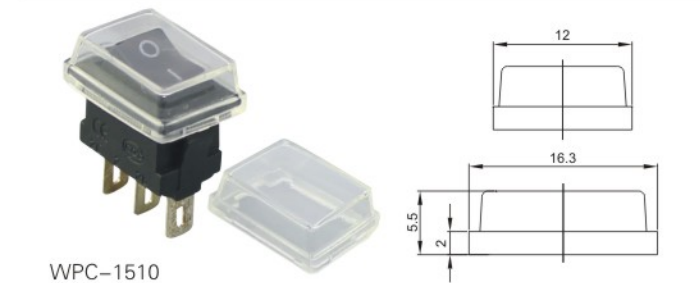
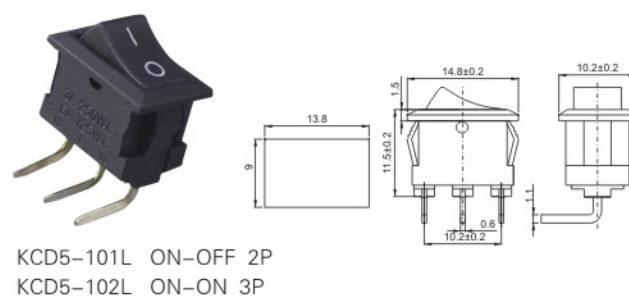
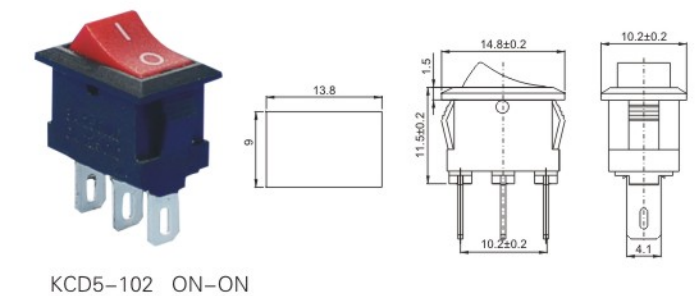
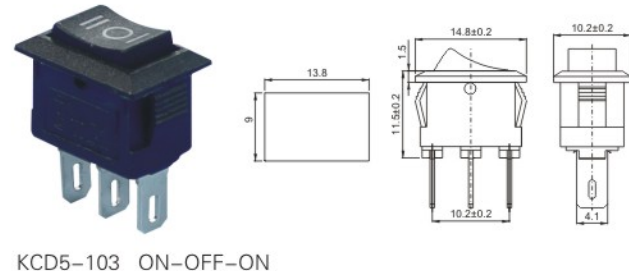
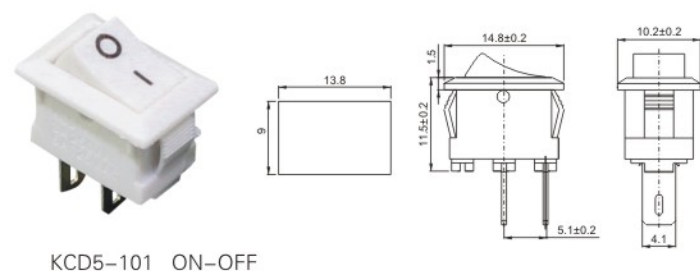
## KCD5 Series Rocker Switch

### 技术特性 Specification

- 规格 Rating: 6A 125VAC; 3A 250VAC
- 接触电阻 Contact Resistance: 35mΩ max
- 绝缘电阻 Insulation Resistance: 500VDC 100MΩ min
- 耐电压 Dielectric Strength: 1500VAC, 1 Minute
- 操作温度 Operating Temperature: -25℃~ +85℃
- 电气寿命 Electrical Life: ≥10,000 Cycles

### 型号说明 Model Information

|     |               |   |        |   |        |                   |                 |                  |   |         |   |                |               |   |           |
|-----|---------------|---|--------|---|--------|-------------------|-----------------|------------------|---|---------|---|----------------|---------------|---|-----------|
| KCD | 5             | - | 2      | - | 1      | 01                | N               | L                | - | C3      | - | R              | B             | - | 220V      |
|     | 超小型           |   | 序号     |   | 单刀     | 功能                | 灯               | 端子类型             |   | 标记      |   | 按钮颜色           | 外壳颜色          |   | 灯电压       |
|     | Sub-Miniature |   | Series |   | 1 Pole | Function          | Lamp            | Terminals        |   | Marking |   | Actuator Color | Housing Color |   | Lamp Volt |
|     |               |   |        |   |        | 01 ON-OFF         | No mark No Lamp | No mark Straight |   | C1      |   | B 黑色Black      | B 黑色Black     |   | 3V        |
|     |               |   |        |   |        | 02 ON-ON          | N With Lamp     | L Right Angle    |   | C2      |   | W 白色White      | W 白色White     |   | 6V        |
|     |               |   |        |   |        | 03 ON-OFF-ON      |                 | T Through hole   |   | C3      |   | R 红色Red        | R 红色Red       |   | 12V       |
|     |               |   |        |   |        | 11 (ON-OFF)单复位    |                 |                  |   | C4      |   | G 绿色Green      | G 绿色Green     |   | 24V       |
|     |               |   |        |   |        | 12 (ON-ON)单复位     |                 |                  |   | C5      |   | Y 黄色Yellow     | Y 黄色Yellow    |   | 48V       |
|     |               |   |        |   |        | 13 (ON-OFF-ON)单复位 |                 |                  |   | C6      |   | BL 蓝色Blue      | BL 蓝色Blue     |   | 110V      |
|     |               |   |        |   |        | 23 (ON-OFF-ON)双复位 |                 |                  |   | C7      |   | O 橙色Orange     | O 橙色Orange    |   | 220V      |
|     |               |   |        |   |        |                   |                 |                  |   | C8      |   | GR 灰色Gray      | GR 灰色Gray     |   |           |
|     |               |   |        |   |        |                   |                 |                  |   | C9      |   | C 棕色Brown      | C 棕色Brown     |   |           |
|     |               |   |        |   |        |                   |                 |                  |   | C10     |   |                |               |   |           |





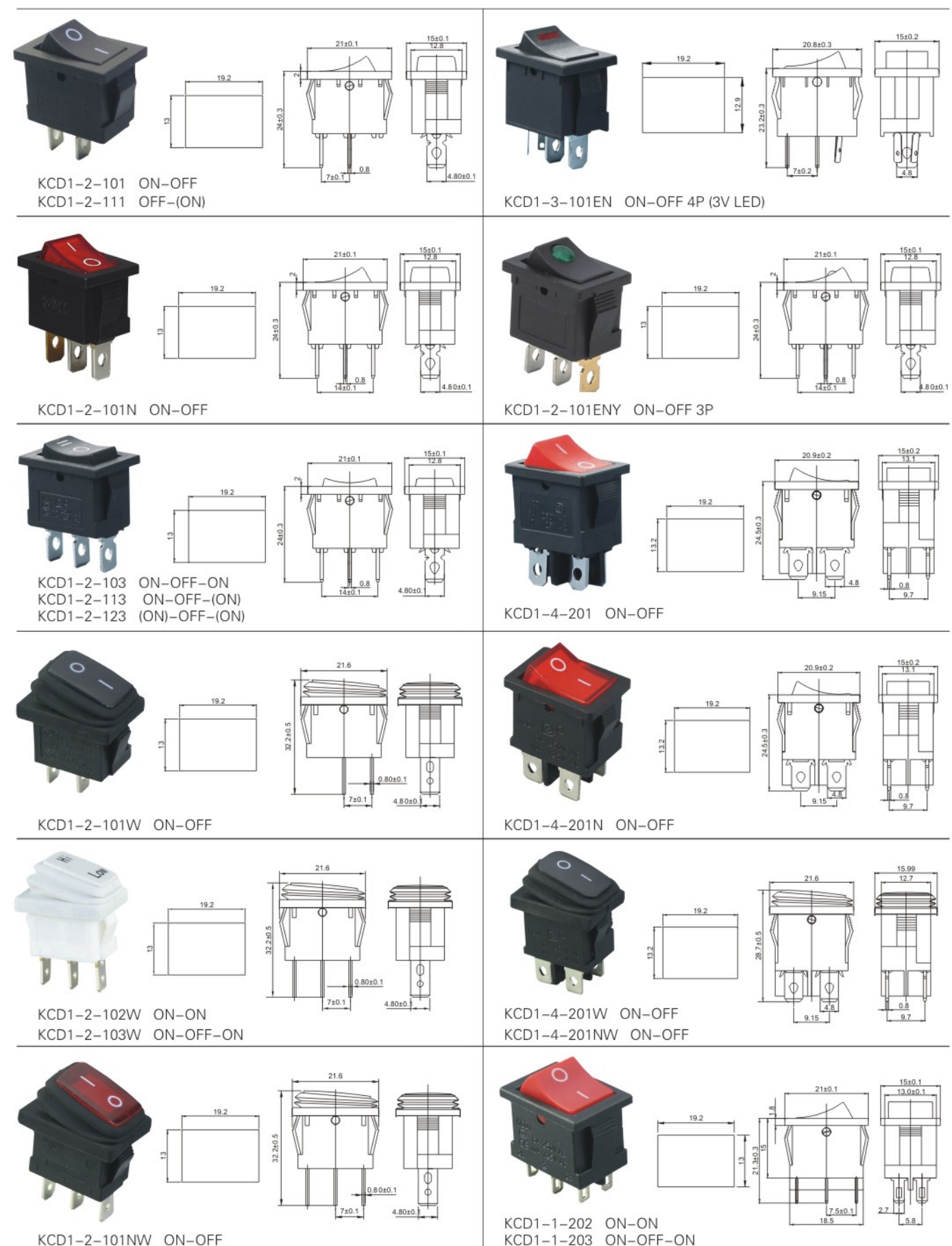
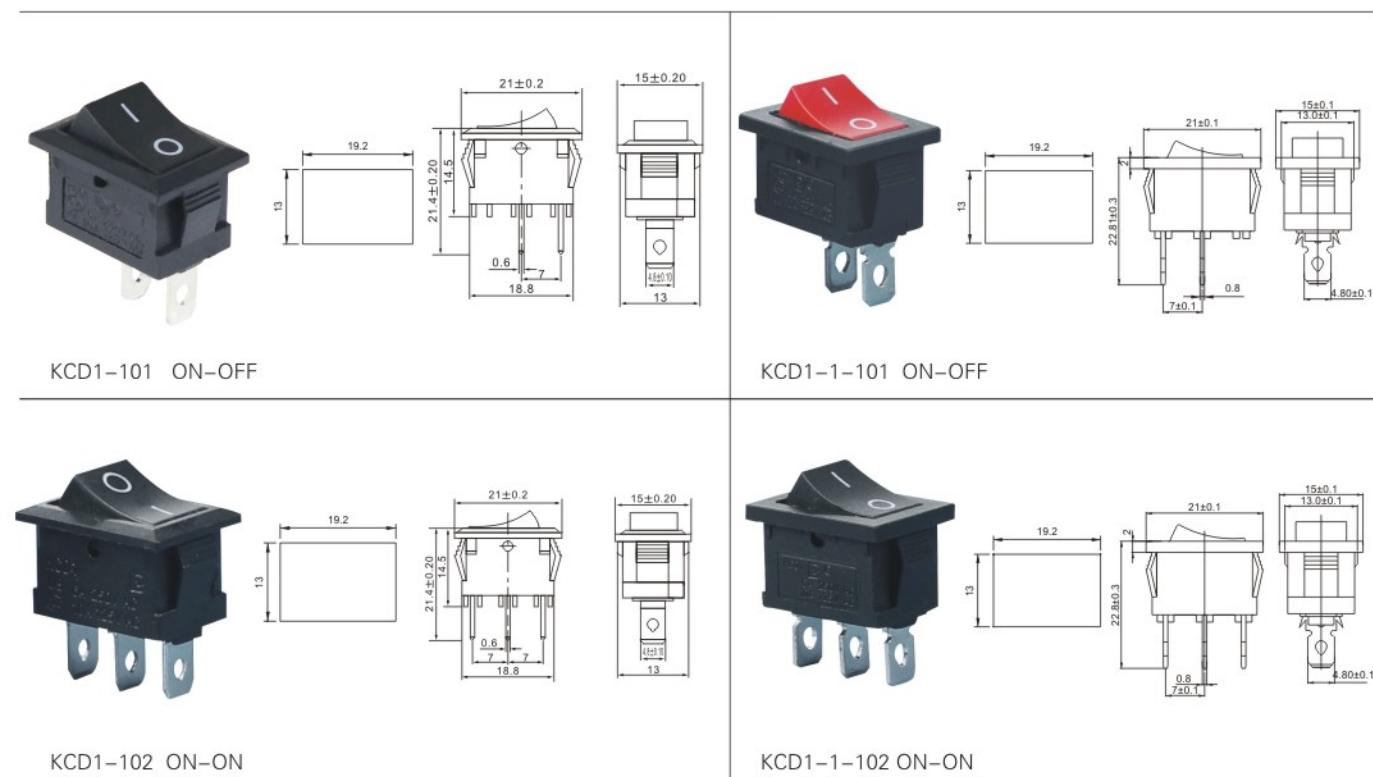
## KCD1 Series Rocker Switch

### 技术特性 Specification

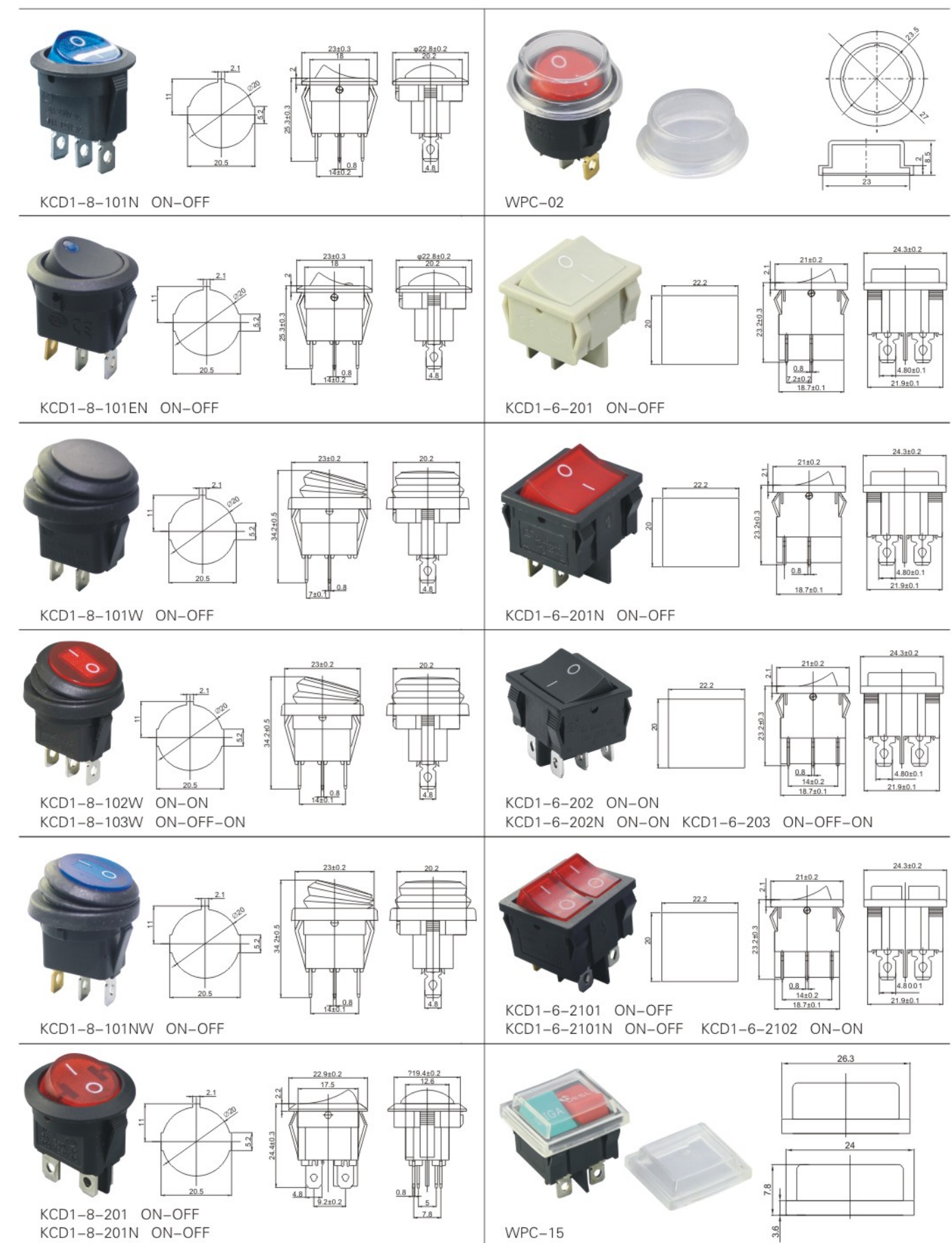
- 规格 Rating: 10A 125VAC; 6A 250VAC
- 接触电阻 Contact Resistance: 35mΩ max
- 绝缘电阻 Insulation Resistance: 500VDC 100MΩ min
- 耐电压 Dielectric Strength: 1500VAC, 1 Minute
- 操作温度 Operating Temperature: -25℃~ +85℃
- 电气寿命 Electrical Life: ≥10,000 Cycles

### 型号说明 Model Information

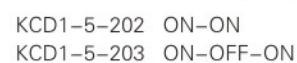
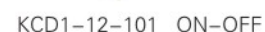
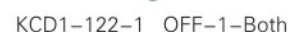
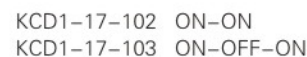
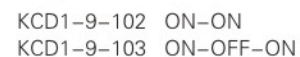
| 特征<br>Features   | 序号<br>Series       | 刀数<br>Poles         | 功能<br>Function | 带灯状态<br>Lamp     | 按钮类型<br>Actuator | 端子类型<br>Terminals | 标记<br>Marking | 按钮颜色<br>Actuator Color | 外壳颜色<br>Housing Color | 灯电压<br>Lamp Volt |
|------------------|--------------------|---------------------|----------------|------------------|------------------|-------------------|---------------|------------------------|-----------------------|------------------|
| 1 Miniature      | 1 1 pole 1 button  | 01 ON-OFF           | No Mark        | No lamp          | No Mark          | Straight          | C1            | B 黑色Black              | B 黑色Black             | 3V               |
| 2 Medium 2 poles | 2 2 pole 1 button  | 02 ON-ON            | N              | Lens illuminated | D                | Short             | C2            | W 白色White              | W 白色White             | 6V               |
| 3 Medium 1 pole  | 2 2 pole 1 button  | 03 ON-OFF-ON        | EN             | Dot illuminated  | L                | Right Angle       | C3            | R 红色Red                | R 红色Red               | 12V              |
| 5 Sub-Miniature  | 21 2 pole 2 button | 11 (ON)-OFF(单复位)    | No Mark        | C shape          | S                | Screw             | C4            | G 绿色Green              | G 绿色Green             | 24V              |
|                  | 3 3 pole 1 button  | 12 (ON)-ON(单复位)     | W              | Waterproof       | T                | Through hole      | C5            | Y 黄色Yellow             | Y 黄色Yellow            | 48V              |
|                  | 31 3 pole 3 button | 13 (ON)-OFF-ON(单复位) | H              | High Actuator    |                  |                   | C6            | BL 蓝色Blue              | BL 蓝色Blue             | 110V             |
|                  |                    | 23 (ON)-OFF-ON(双复位) | V              | V shape          |                  |                   | C7            | O 橙色Orange             | O 橙色Orange            | 220V             |
|                  |                    |                     |                |                  |                  |                   | C8            | GR 灰色Gray              | GR 灰色Gray             |                  |
|                  |                    |                     |                |                  |                  |                   | C9            | C 棕色Brown              | C 棕色Brown             |                  |
|                  |                    |                     |                |                  |                  |                   | C10           |                        |                       |                  |
|                  |                    |                     |                |                  |                  |                   | CX            |                        |                       |                  |





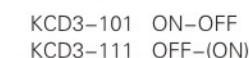




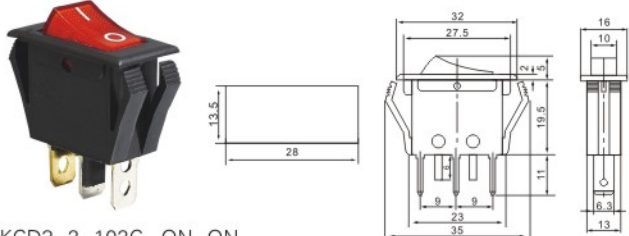
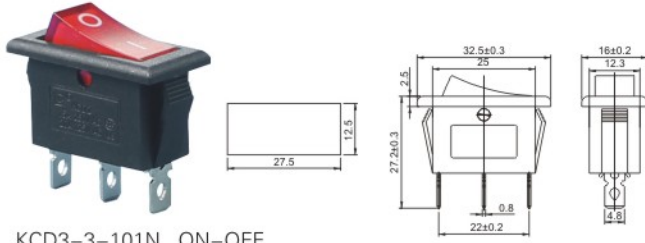
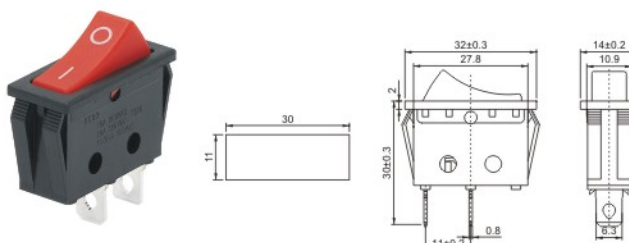
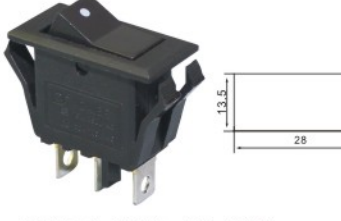
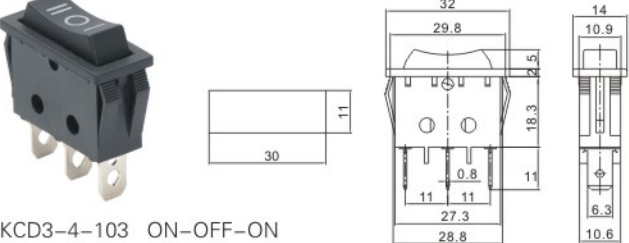
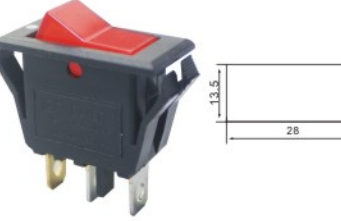
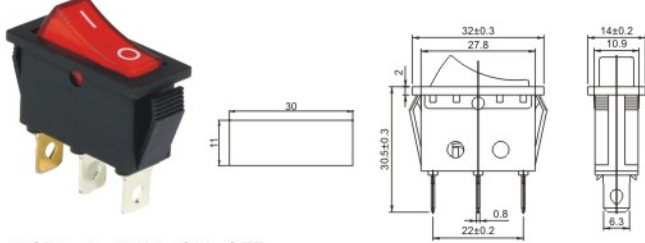
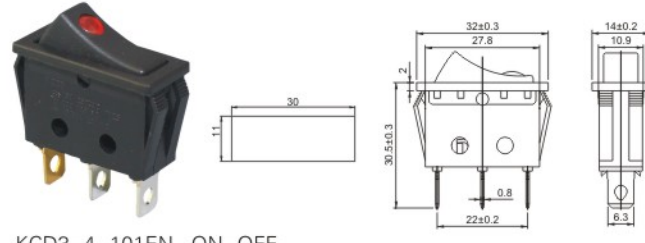


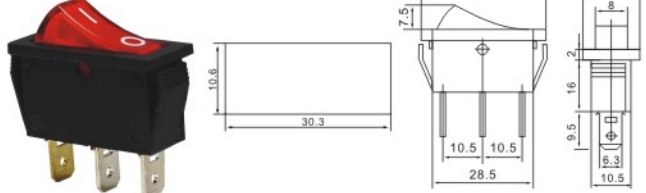
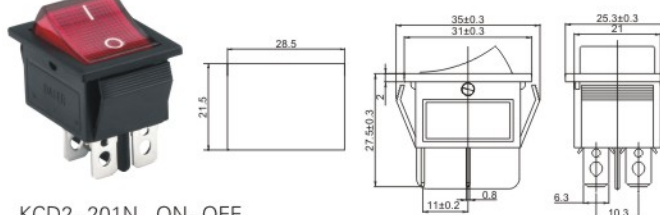
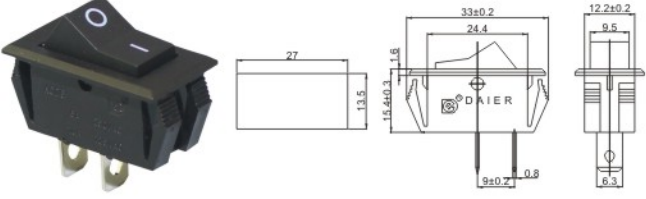
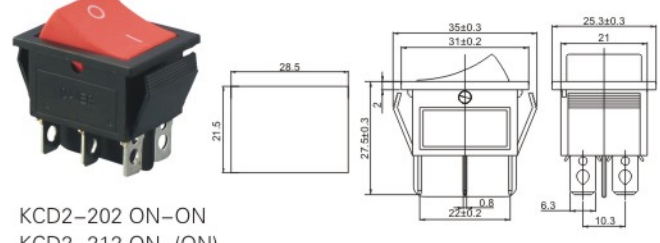
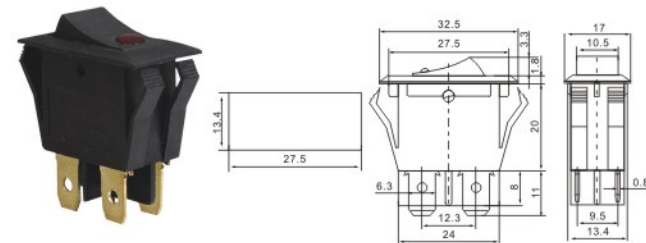
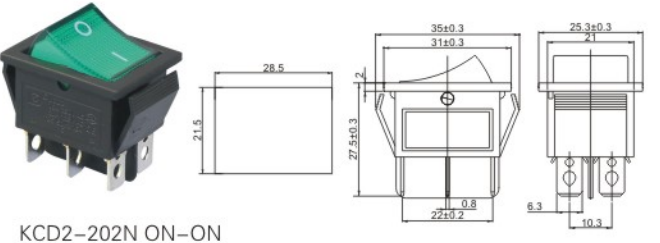
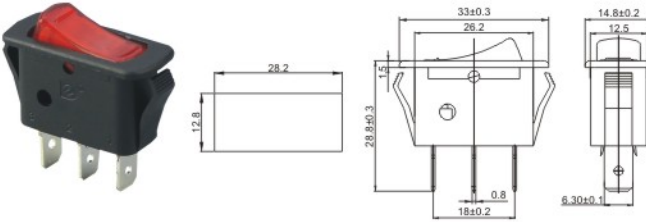
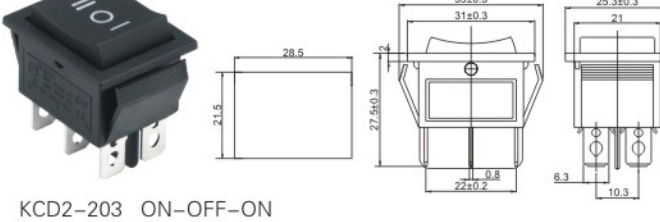
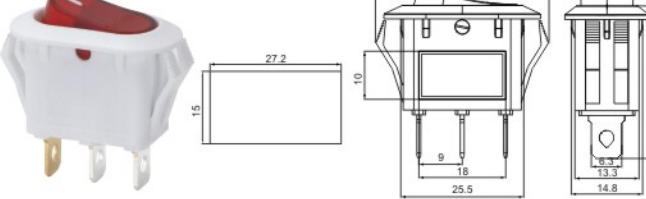
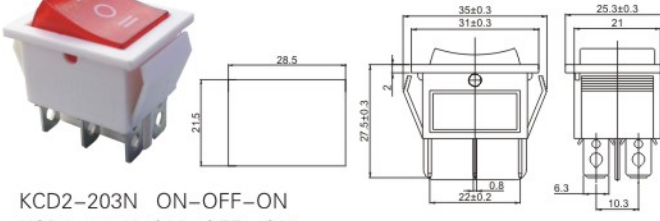
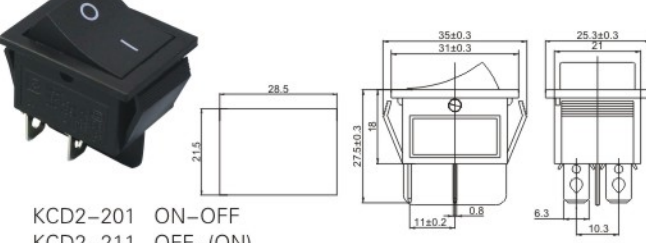
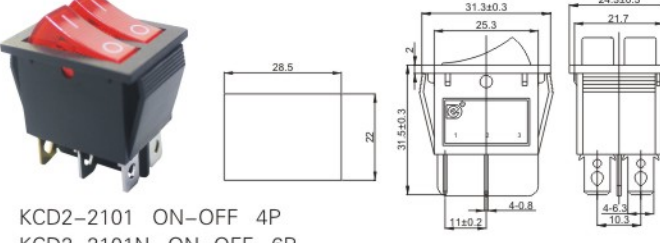
4. 耐电压 Dielectric Strength: 1500VAC, 1 Minute  
5. 操作温度 Operating Temperature: -25°C ~ +85°C  
6. 电气寿命 Electrical Life:  $\geq 10,000$  Cycles

The diagram illustrates the relationship between KCD codes and their corresponding features. It is organized into columns for different feature categories: Features, Series, Poles, Function, Lamp, Actuator, Terminals, Marking, Actuator Color, Housing Color, and Lamp Voltage. Each category has a list of options with corresponding KCD codes. For example, under 'Features', there are Miniature (1), Medium 2 poles (2), Medium 1 pole (3), and Sub-Miniature (5). Under 'Poles', there are 1 pole 1 button (1), 2 pole 1 button (2), 2 pole 2 button (21), 3 pole 1 button (3), and 3 pole 3 button (31). The diagram uses arrows to show how these features combine to form a full KCD code.

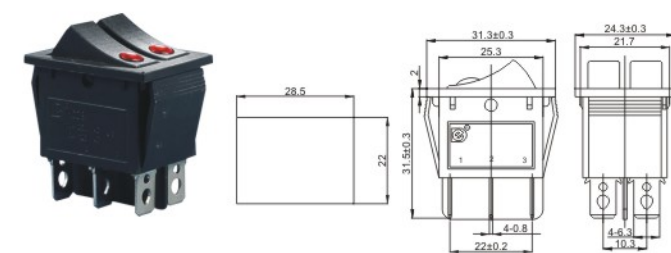




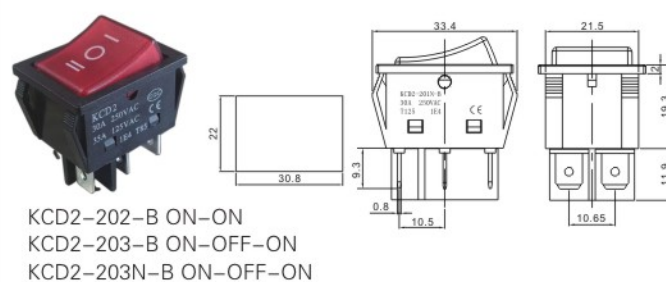
|                                                                                                                                     |                                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>KCD3-101W ON-OFF</p>                           |  <p>KCD3-2-102C ON-ON<br/>KCD3-2-101NC ON-OFF</p>           |
|  <p>KCD3-103W ON-OFF-ON</p>                        |  <p>KCD3-3-101N ON-OFF</p>                                  |
|  <p>KCD3-101NW ON-OFF<br/>KCD3-102W ON-ON</p>     |  <p>KCD3-4-101 ON-OFF</p>                                  |
|  <p>KCD3-2-101V ON-OFF<br/>KCD3-2-102V ON-ON</p> |  <p>KCD3-4-103 ON-OFF-ON<br/>KCD3-4-123 (ON)-OFF-(ON)</p> |
|  <p>KCD3-2-101NV ON-OFF</p>                      |  <p>KCD3-4-101N ON-OFF</p>                                |
|  <p>KCD3-2-101C ON-OFF</p>                       |  <p>KCD3-4-101EN ON-OFF</p>                               |

|                                                                                                                                    |                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>KCD3-5-101N ON-OFF</p>                      |  <p>KCD2-201N ON-OFF<br/>KCD2-211N OFF-(ON)</p>          |
|  <p>KCD6-101 ON-OFF</p>                         |  <p>KCD2-202 ON-ON<br/>KCD2-212 ON-(ON)</p>              |
|  <p>KCD3-11-201EN ON-OFF</p>                   |  <p>KCD2-202N ON-ON<br/>KCD2-212N ON-(ON)</p>           |
|  <p>KCD3-12-101N ON-OFF</p>                   |  <p>KCD2-203 ON-OFF-ON<br/>KCD2-213 ON-OFF-(ON)</p>    |
|  <p>KCD3-9-101N ON-OFF</p>                    |  <p>KCD2-203N ON-OFF-ON<br/>KCD2-223 (ON)-OFF-(ON)</p> |
|  <p>KCD2-201 ON-OFF<br/>KCD2-211 OFF-(ON)</p> |  <p>KCD2-2101 ON-OFF 4P<br/>KCD2-2101N ON-OFF 6P</p>   |

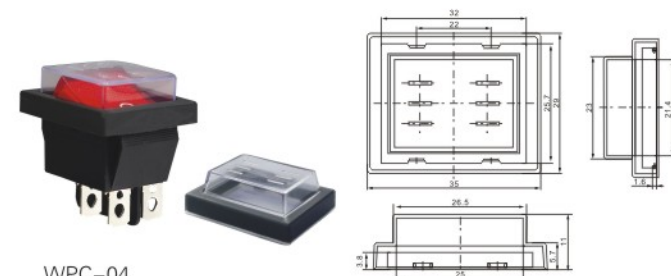




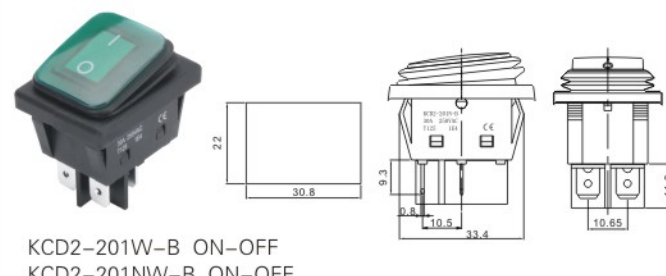
KCD2-2101EN ON-OFF



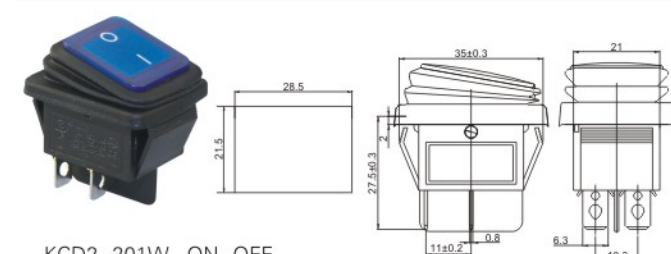
KCD2-202-B ON-OFF  
KCD2-203-B ON-OFF-ON  
KCD2-203N-B ON-OFF-ON



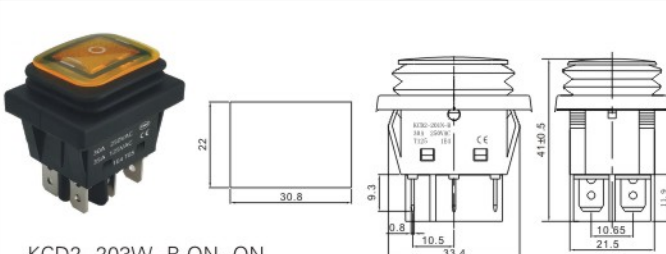
WPC-04



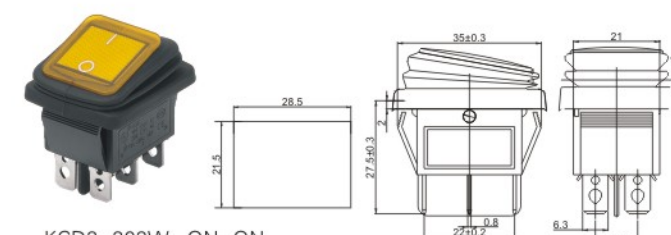
KCD2-201W-B ON-OFF  
KCD2-201NW-B ON-OFF



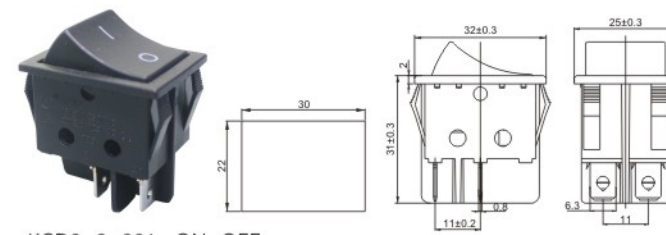
KCD2-201W ON-OFF  
KCD2-201NW ON-OFF



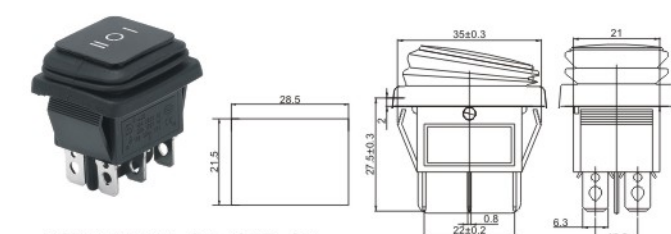
KCD2-203W-B ON-ON  
KCD2-203NW-B ON-OFF-ON



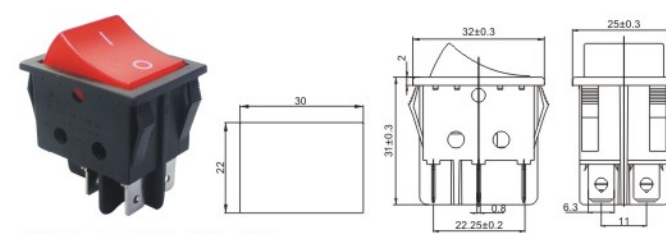
KCD2-202W ON-ON  
KCD2-202NW ON-ON



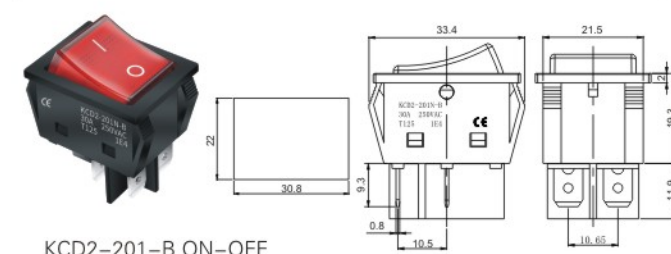
KCD2-2-201 ON-OFF  
KCD2-2-211 OFF-(ON)



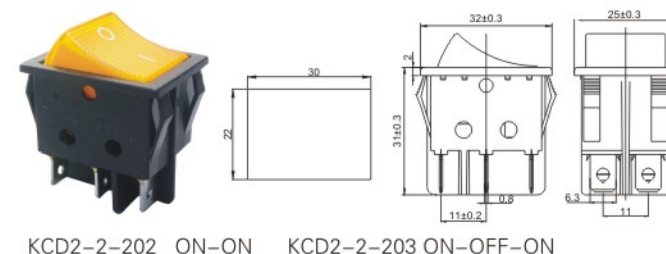
KCD2-203W ON-OFF-ON  
KCD2-203NW ON-OFF-ON



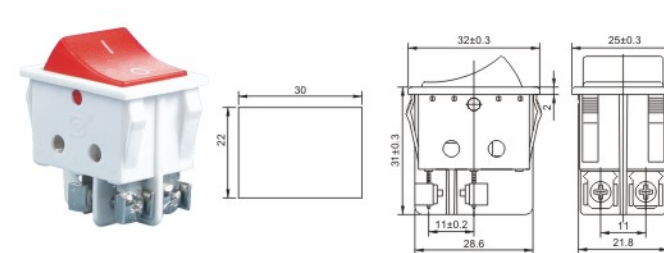
KCD2-2-201N ON-OFF  
KCD2-2-211N OFF-(ON)



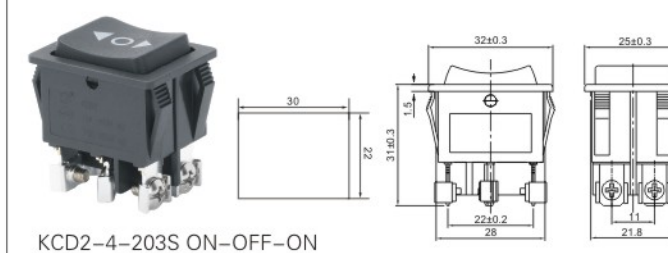
KCD2-201-B ON-OFF  
KCD2-201N-B ON-OFF



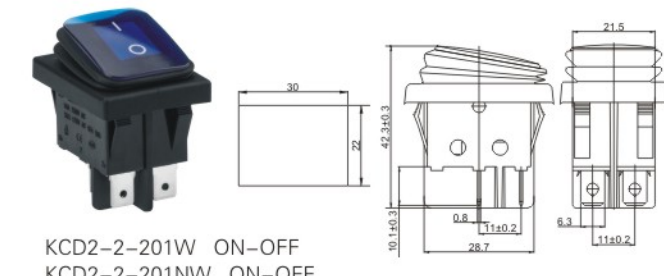
KCD2-2-202 ON-ON KCD2-2-203 ON-OFF-ON  
KCD2-2-223 (ON)-OFF-(ON)



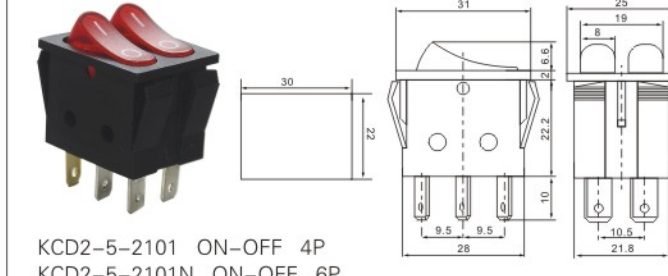
KCD2-2-201NS ON-OFF



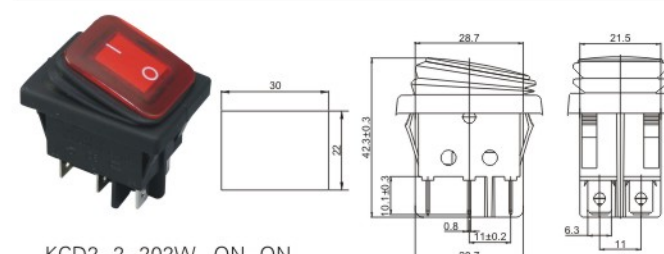
KCD2-4-203S ON-OFF-ON  
KCD2-4-223S (ON)-OFF-(ON)



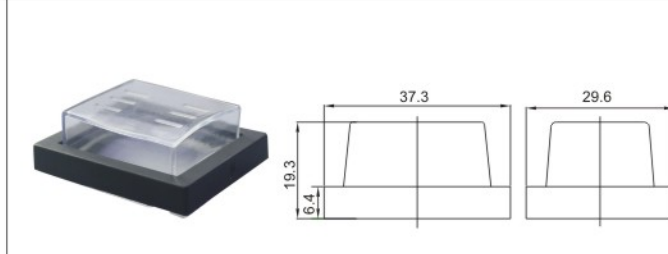
KCD2-2-201W ON-OFF  
KCD2-2-201NW ON-OFF



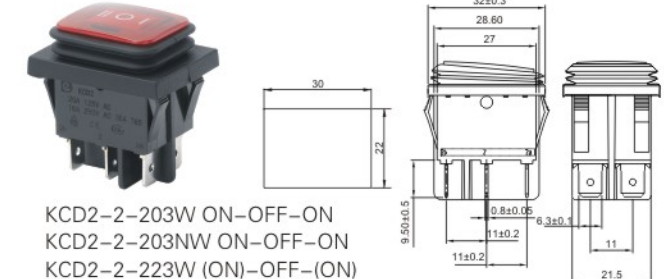
KCD2-5-2101 ON-OFF 4P  
KCD2-5-2101N ON-OFF 6P



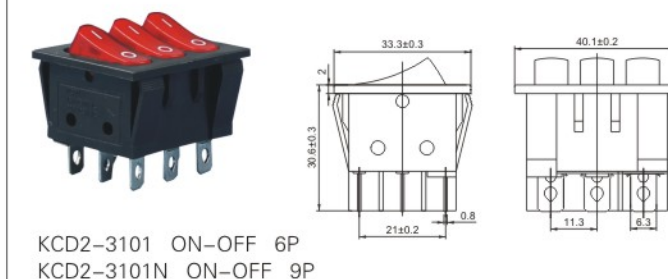
KCD2-2-202W ON-ON  
KCD2-2-202NW ON-ON



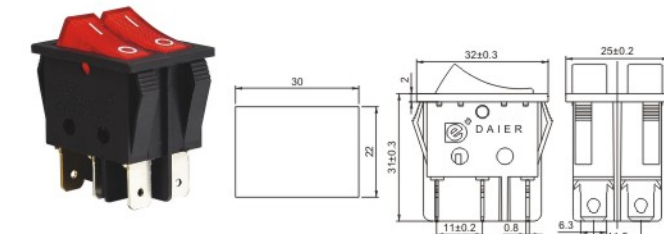
WPC-04B



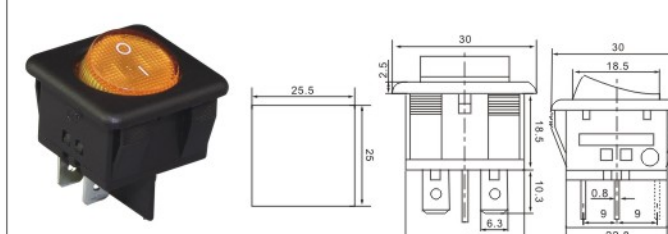
KCD2-2-203W ON-OFF-ON  
KCD2-2-203NW ON-OFF-ON  
KCD2-2-223W (ON)-OFF-(ON)



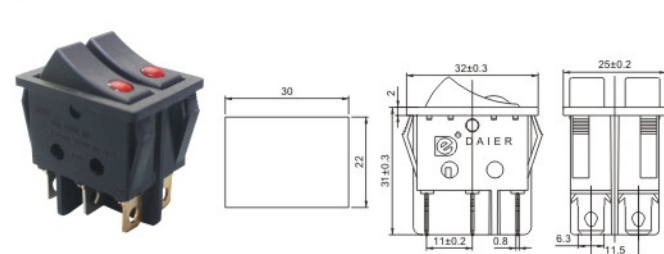
KCD2-3101 ON-OFF 6P  
KCD2-3101N ON-OFF 9P



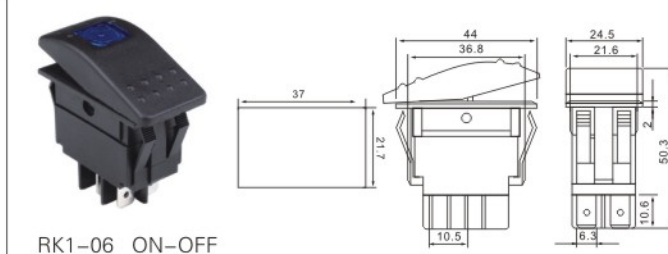
KCD2-4-2101 ON-OFF 4P  
KCD2-4-2101N ON-OFF 6P



KCD2-10-201 ON-OFF  
KCD2-10-201N ON-OFF



KCD2-4-2101EN ON-OFF

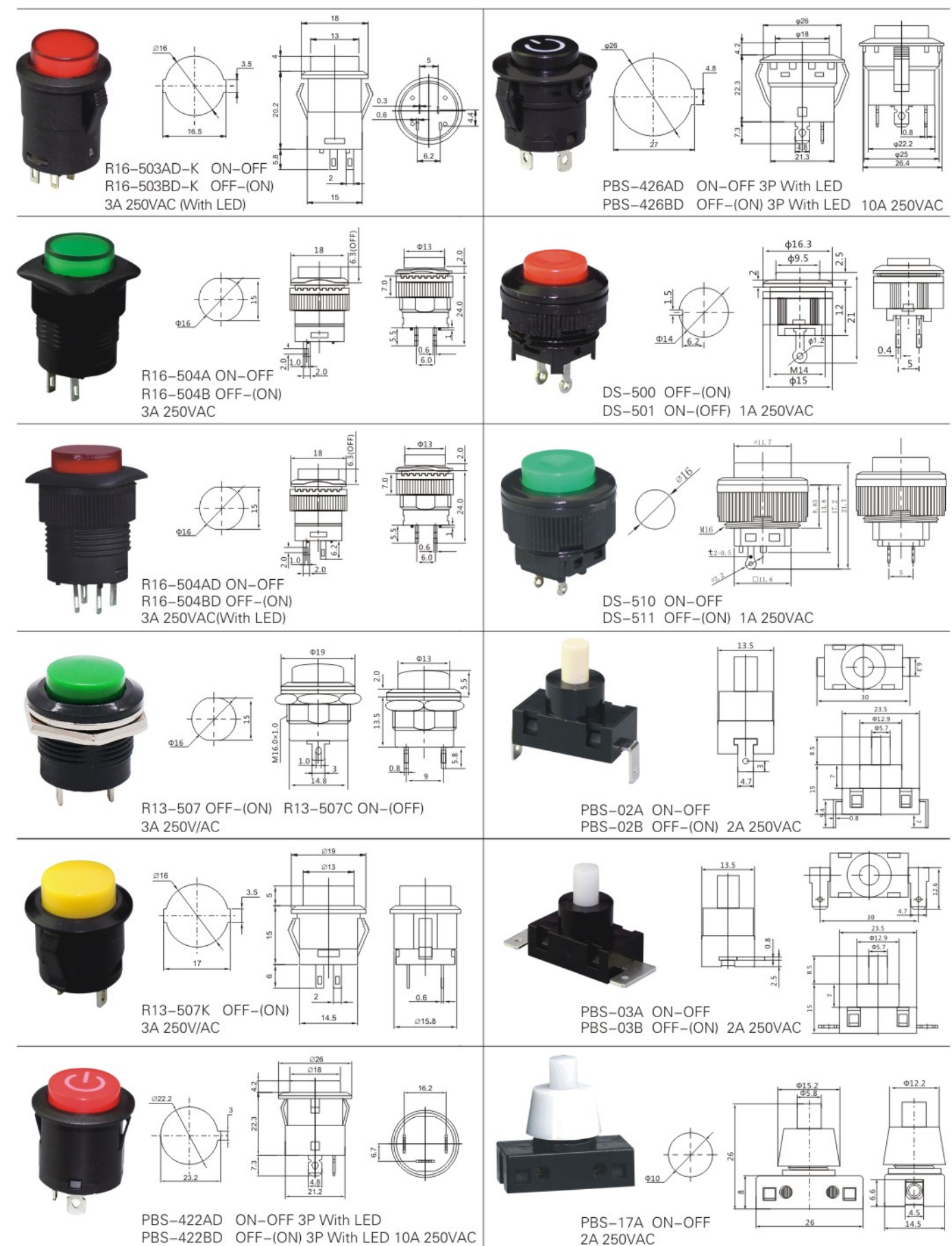
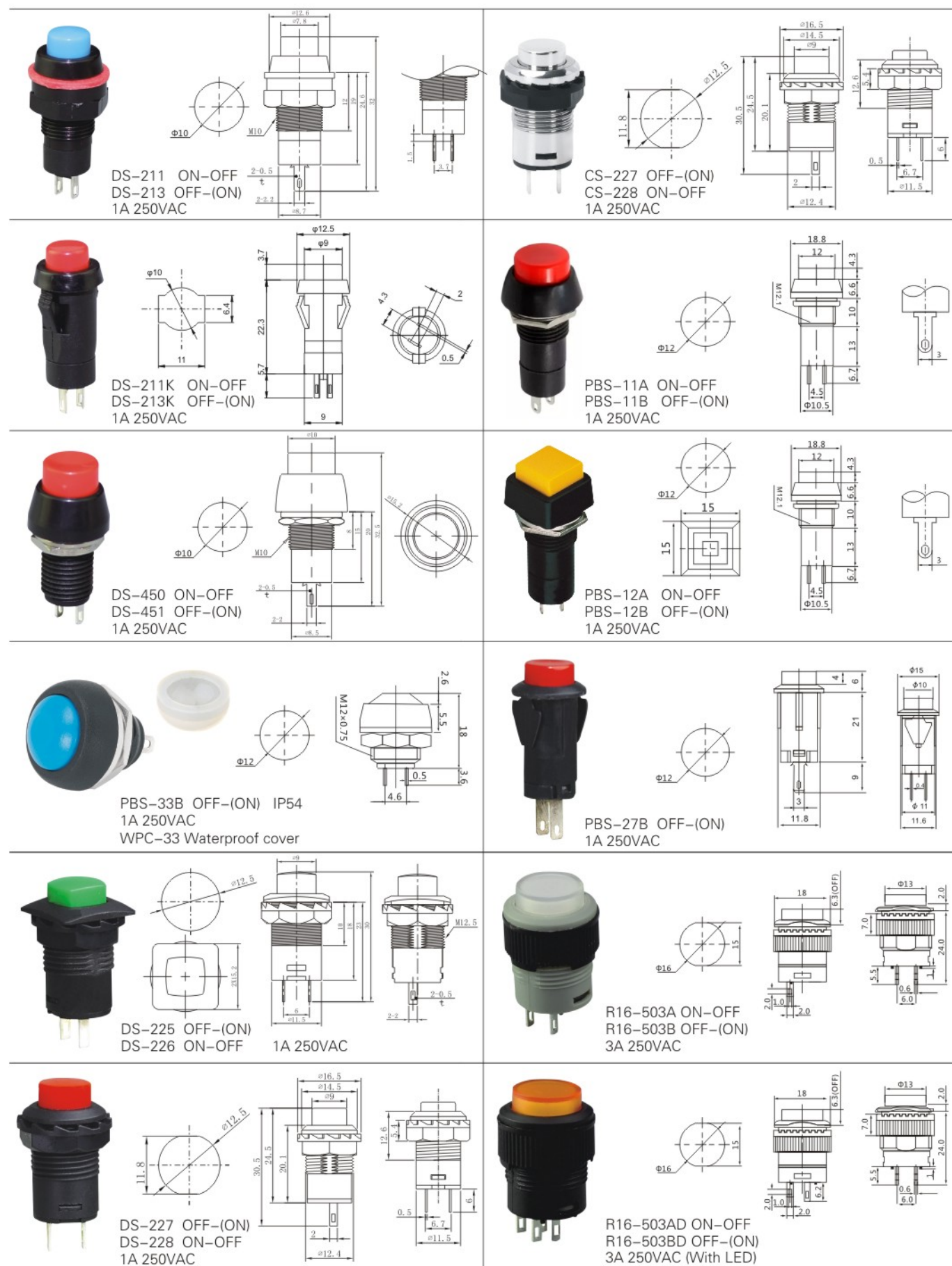


RK1-06 ON-OFF  
RK1-06N ON-OFF

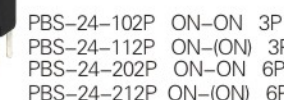
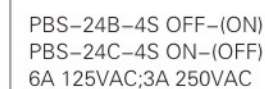
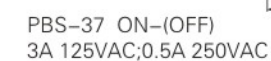
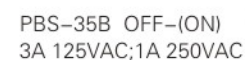
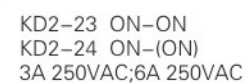
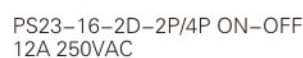
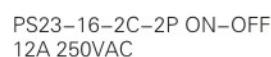
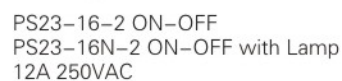




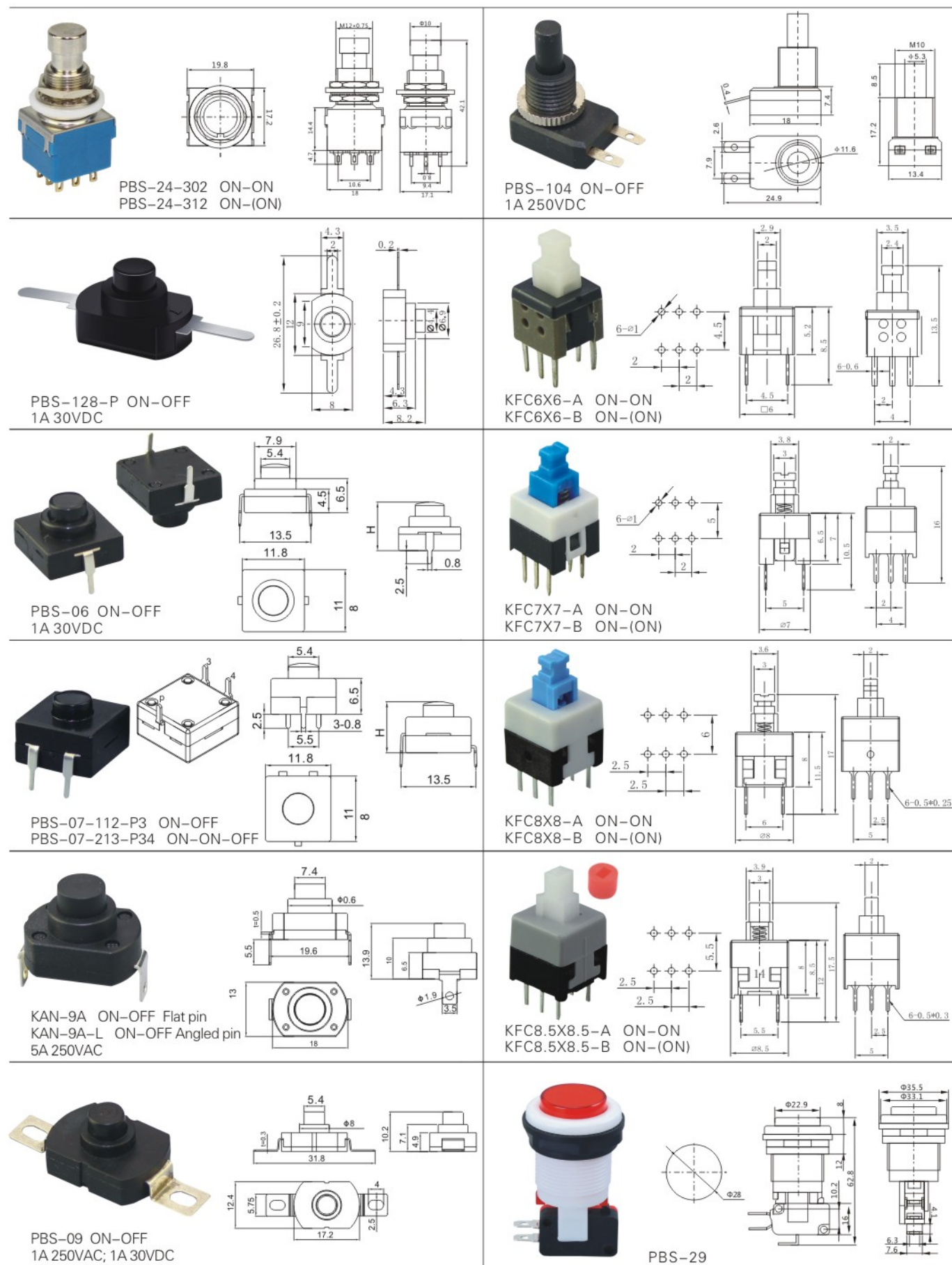






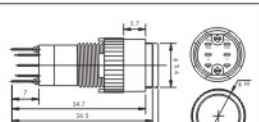
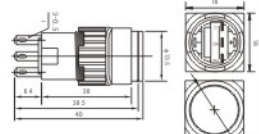






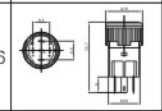
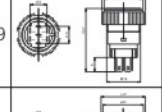


## A Series Plastic Push Button

| A             | 16                                                                                | - | 11                                            | S                                                                                                                        | Y           | -                                                                                                                             | N                     | -                                                                                      | □                                             | R                      | 12V             |
|---------------|-----------------------------------------------------------------------------------|---|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------|-----------------------------------------------|------------------------|-----------------|
| 塑料型<br>Series | 尺寸<br>Mounting Size                                                               |   | 刀数<br>Poles                                   | 功能<br>Function                                                                                                           | 形状<br>shape |                                                                                                                               | 灯<br>LED              |                                                                                        | 外壳颜色<br>Housing Color                         | 按钮颜色<br>Actuator Color | 灯电压<br>LED Volt |
| A12           |  |   | 11 1 NO 1NC<br>20 2NC<br>22 2NO 2NC<br>10 1NC | Y:圆形 Round<br>F:正方形 Square<br>J:长方形 Rectangle<br>R:急停 Emergency<br>M:蘑菇形 mushroom<br>X:旋转形 Rotary type<br>Z:自锁 Latching) |             | No LED<br>E Ring illuminated<br>P Laser Power Logo<br>EP Laser Power Logo+Ring<br>N Lens illuminated<br>S Custom Laser Symbol | 黑色Black<br>S 银色Silver | R 红色Red<br>G 绿色Green<br>Y 黄色Yellow<br>B 蓝色Blue<br>W 白色White<br>A 黑色Black<br>S 银色Silver | 3V<br>6V<br>12V<br>24V<br>48V<br>110V<br>220V |                        |                 |
| A16           |  |   |                                               |                                                                                                                          |             |                                                                                                                               |                       |                                                                                        |                                               |                        |                 |

|                                                                                                                                                     |                                                                                                                                                           |                                                                                                                                                           |                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <br>A12-11SY; A12-11SY-N ON-(ON)<br>A12-11ZY; A12-11ZY-N ON-(ON)  | <br>A16-11SJ-N ON-(ON)<br>A16-11ZJ-N ON-(ON)                            | <br>A16-11ZK2 ON-ON 3P<br>A16-22ZK2 ON-ON 6P<br>A16-22ZK3 ON-OFF-ON 6P | <br>A22-11SY-N-SΔ ON-(ON)<br>A22-11ZY-N-SΔ ON-(ON)    |
| <br>A12-11SF; A12-11SF-N ON-(ON)<br>A12-11ZF; A12-11ZF-N ON-(ON) | <br>A16-11SM ON-(ON)<br>A16-11ZM ON-(ON)                               | <br>A16-BZ Buzzer 蜂鸣器                                                 | <br>A22-11SY-EP-SS ON-(ON)<br>A22-11ZY-EP-SS ON-(ON) |
| <br>A16-11SY; A16-11SY-N ON-(ON)<br>A16-11ZY; A16-11ZY-N ON-(ON) | <br>A16-11SR SPDT<br>A16-22SR DPDT                                     | <br>A16-10SR-F SPST<br>A16-20SR-F DPST                                | <br>S01 Square S02 Rectangle                         |
| <br>A16-22SF-N ON-(ON)<br>A16-22ZF-N ON-(ON)                     | <br>A16-11ZX2 ON-ON 3P<br>A16-22ZX2 ON-ON 6P<br>A16-22ZX3 ON-OFF-ON 6P | <br>A16-10SR-B SPST<br>A16-20SR-B DPST                                | <br>Wiring Harness                                   |

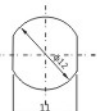
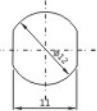
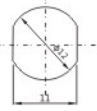
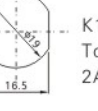
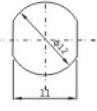
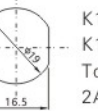
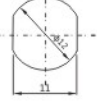
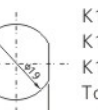
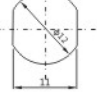
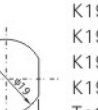
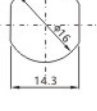
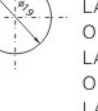
## IP67 Series Plastic Push Button

| L             | 19                                                                                  | F                            | - | 11                               | E        | L                         | □          | - | S                       | R                                                                                      | - | R                                                                                                                                                                                                                                                                                              | 12V                                           |
|---------------|-------------------------------------------------------------------------------------|------------------------------|---|----------------------------------|----------|---------------------------|------------|---|-------------------------|----------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 塑料型<br>SERIES | 尺寸<br>Mounting Dia.                                                                 | 按钮形状<br>Button Shape         |   | 接触方式<br>Contact Mode             | 灯<br>LED | 开关功能<br>Function          | 类别<br>Tape |   | 外壳颜色<br>Housing Color   | 按钮颜色<br>Actuator Color                                                                 |   | LED颜色<br>LED Color                                                                                                                                                                                                                                                                             | LED电压<br>LED VOLT                             |
| L12           | 13.7X30                                                                             | F Flat Round<br>H High Round |   | 10 1NO<br>11 1NO1NC<br>22 2NO2NC |          | M Momentary<br>L Latching |            |   | A 黑色Black<br>S 银色Silver | R 红色Red<br>G 绿色Green<br>Y 黄色Yellow<br>B 蓝色Blue<br>W 白色White<br>A 黑色Black<br>S 银色Silver |   | Same as button<br>R 红色Red<br>G 绿色Green<br>Y 黄色Yellow<br>B 蓝色Blue<br>W 白色White<br>2A Red/green<br>2B Red/yellow<br>2C Red/blue<br>2D Red/white<br>2E Green/blue<br>2F Green/yellow<br>3A Red/green/blue<br>3B Red/green/yellow<br>3D Red/green/white<br>3E Red/blue/white<br>3F Red/blue/yellow | 3V<br>6V<br>12V<br>24V<br>48V<br>110V<br>220V |
| L16           |  |                              |   |                                  |          |                           |            |   |                         |                                                                                        |   |                                                                                                                                                                                                                                                                                                |                                               |
| L19           |  |                              |   |                                  |          |                           |            |   |                         |                                                                                        |   |                                                                                                                                                                                                                                                                                                |                                               |
| L22           |  |                              |   |                                  |          |                           |            |   |                         |                                                                                        |   |                                                                                                                                                                                                                                                                                                |                                               |
| L25           | 28X35                                                                               |                              |   |                                  |          |                           |            |   |                         |                                                                                        |   |                                                                                                                                                                                                                                                                                                |                                               |

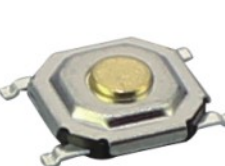
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| <br>L12F-10M 2P OFF-(ON)<br>L12F-10L 2P ON-OFF<br>L12F-10NM 4P OFF-(ON)<br>L12F-10NL 4P ON-OFF | <br>L19F-11M 3P ON-(ON)<br>L19F-11L 3P ON-ON<br>L19F-11NM ON-(ON)<br>L19F-11NL ON-ON                    | <br>L22F-11M 3P ON-(ON)<br>L22F-11L 3P ON-ON<br>L22F-11NM ON-(ON)<br>L22F-11NL ON-ON                |
| <br>L16F-11M 3P ON-(ON)<br>L16F-11L 3P ON-ON<br>L16F-11NM 5P ON-(ON)<br>L16F-11NL 5P ON-ON    | <br>L19F-11EPM 5P ON-(ON)<br>L19F-11EPL 5P ON-ON<br>L19F-11EPM 6P Dual LED<br>L19F-11EPM 7P Triple LED | <br>L22F-11PM 5P ON-(ON)<br>L22F-11PL 5P ON-ON<br>L22F-11PM 6P Dual LED<br>L22F-11PM 7P Triple LED |
| <br>L16F-11M 3P ON-(ON)<br>L16F-11L 3P ON-ON<br>L16F-11NM 5P ON-(ON)<br>L16F-11NL 5P ON-ON    | <br>L22F-11M 3P ON-(ON)<br>L22F-11L 3P ON-ON<br>L22F-11NM ON-(ON)<br>L22F-11NL ON-ON                   | <br>DPC-16 φ 16<br>DPC-19 φ 19<br>DPC-22 φ 22<br>DPC-25 φ 25<br>Dustproof & Safety cover           |



|                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |
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|    |    |    |    |    |
| DS-12B<br>DS-12B-L                                                                  | GQ-16F                                                                              | LAS3-16H-E                                                                          | LAS1-19B-SR                                                                          | LAS3A-22F/25F<br>20A 250VAC                                                           |
|    |    |    |    |    |
| DS-12B-DM<br>DS-12B-DL                                                              | GQ-16B                                                                              | LAS3-16H-HORN                                                                       | LAS3-19 No LED                                                                       | LAS3-22/25/30                                                                         |
|   |   |   |   |   |
| GQ-8H<br>GQ-10H                                                                     | GQ-16H/J                                                                            | PBS-28B-2                                                                           | LAS3-19F-E                                                                           | GQ40F-22E                                                                             |
|  |  |  |  |  |
| GQ12H2-10EL                                                                         | GQ16F-10EM                                                                          | PBS-28B                                                                             | LAS3-19F-EP                                                                          | PZ16F-10<br>Piezo Switch                                                              |
|  |  |  |  |  |
| GQ-12B                                                                              | LAS3-16 No LED                                                                      | PBS-28B-4                                                                           | LAS3D-19F-10E<br>15A 250VAC                                                          | PZ19F-10<br>Piezo Switch                                                              |
|  |  |  |  |  |
| GQ12H-10EM                                                                          | LAS3-16F-E                                                                          | LAS1-19-ZX                                                                          | GQ22-11E                                                                             | TS19C-10EP<br>Touch Switch                                                            |

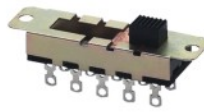
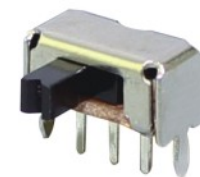
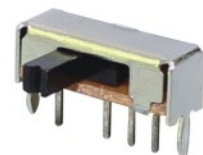
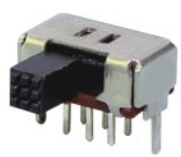
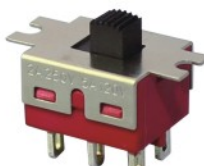
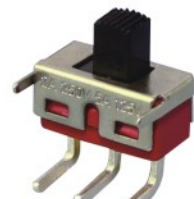
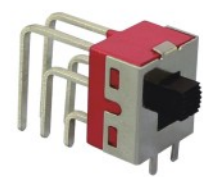
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|    |    | KS-01-101C ON-OFF<br>Total Length=23.5mm<br>0.5A 250VAC; 0.5A 24VDC                                             |    |    | K16-05 ON-ON<br>Total Length=31.75mm<br>2A 250VAC; 4A 28VDC                                                                                                                                                      |
|    |    | KS-01-101A ON-OFF<br>Total Length=29mm<br>0.5A 250VAC; 0.5A 24VDC                                               |    |    | K16-05C-102 3P ON-ON<br>K16-05C-202 6P ON-ON<br>Total Length=31.75mm<br>2A 250VAC; 4A 28VDC                                                                                                                      |
|    |    | KS-02-101 ON-OFF<br>Total Length=24mm<br>0.5A 250VAC; 0.5A 24VDC                                                |    |    | K19-06 ON-OFF 2P<br>Total Length=40.3mm<br>2A 250VAC; 4A 28VDC                                                                                                                                                   |
|  |  | KS-02-101A ON-OFF<br>Total Length=29mm<br>0.5A 250VAC; 0.5A 24VDC                                               |  |  | K19-03-201 DPST ON-OFF 4P<br>K19-03-102 SPDT ON-ON 4P<br>Total Length=37.5mm<br>2A 250VAC; 4A 28VDC                                                                                                              |
|  |  | KS-03-101 ON-OFF<br>Total Length=23.5mm<br>KS-03-111 OFF-(ON)<br>Total Length=30.2mm<br>0.5A 250VAC; 0.5A 24VDC |  |  | K19-04-102 SP ON-ON<br>K19-04-202 DP ON-ON<br>K19-04-103 SP ON-ON-ON<br>K19-04-203 DP ON-ON-ON<br>Total Length=34mm<br>2A 250VAC; 4A 28VDC                                                                       |
|  |  | K12-07 ON-OFF<br>Total Length=33mm<br>0.5A 250VAC; 0.5A 24VDC                                                   |  |  | K19-05-112 SP ON-(ON)<br>K19-05-212 DP ON-(ON)<br>K19-05-113 SP ON-ON-(ON)<br>K19-05-213 DP ON-ON-(ON)<br>K19-05-123 SP (ON)-ON-(ON)<br>K19-05-223 DP (ON)-ON-(ON)<br>Total Length=39.5mm<br>2A 250VAC; 4A 28VDC |
|  |  | K16-101 ON-OFF<br>K16-102 OFF-ON-ON<br>Total Length=30.5mm<br>2A 250VAC; 4A 28VDC                               |  |  | LAS1-19-11ZK-102<br>ON-ON 3P<br>LAS1-19-11ZK-103<br>ON-OFF-ON 3P<br>LAS1-19-22ZK-102<br>ON-ON 6P<br>LAS1-19-22ZK-103<br>ON-OFF-ON 6P                                                                             |

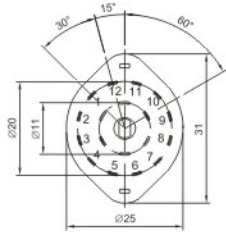
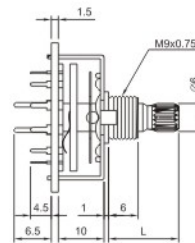
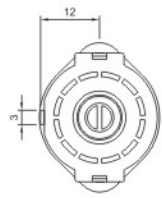
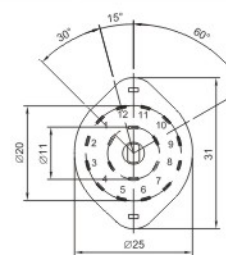
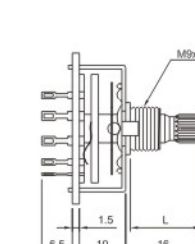
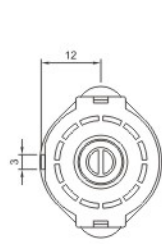
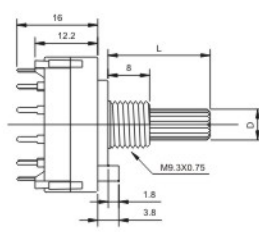
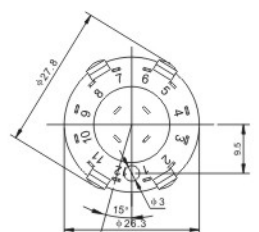
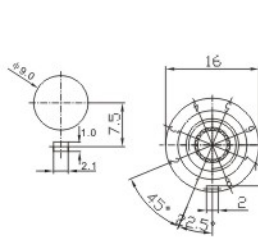
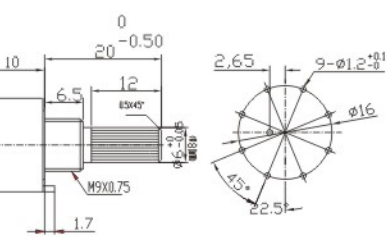
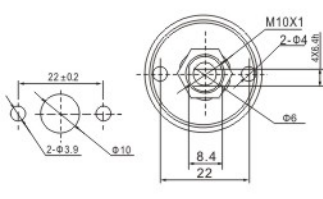
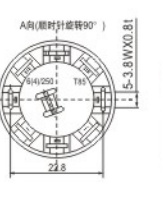
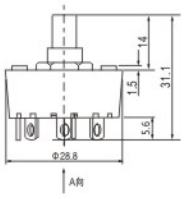
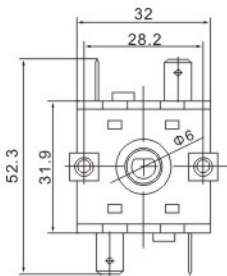
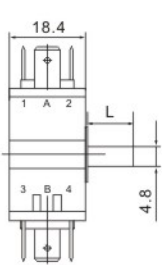
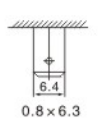


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|    |    |    |    |    |
| TST335<br>3X3.5X1.8/2.5                                                             | TST3425<br>3.2X4.2X2.5                                                              | TST3635<br>3.5X7X3.5                                                                | KFC-003A<br>3.7X6.1X2.5                                                              | KFC-003B<br>4.2X6.1X2.5                                                               |
|    |    |    |    |    |
| KFC-003C<br>3.5X6.1X4.3/5.0                                                         | KFC-003D<br>3.5X6.1X4.3/5.0                                                         | KFC-004A<br>5.2X5.2X1.5                                                             | KFC-004B<br>6.5X6.2X2.5/3.1                                                          | KFC-004D<br>6.5X6.2X2.5/3.1                                                           |
|    |    |    |    |    |
| KFC-045-H(4.5X4.5)<br>H=3.8/4.3/4.8/5.0/7.0                                         | KFC-045A-H(4.5X4.5)<br>H=3.8/4.3/4.8/5.0/7.0                                        | KFC-A06-H<br>6X6XH(H=4.3~23)                                                        | KFC-A06A-H<br>6X6XH(H=4.3~23)                                                        | KFC-A06B-H<br>6X6XH(H=4.3~23)                                                         |
|  |  |  |  |  |
| KFC-A06BS-H<br>6X6XH(H=4.3~23)                                                      | KFC-A06P2-H<br>6X6XH(H=4.3~23)                                                      | KFC-A06Y-4.3<br>KFC-A06Y-5.0                                                        | KFC-A06W1-7.3F<br>6X6X7.3                                                            | KFC-A06W1-H<br>6X6XH(H=4.3~13)                                                        |
|  |  |  |  |  |
| KFC-A06W2-H<br>6X6XH(H=4.3~13)                                                      | KFC-A06W3-H<br>6X6XH(H=4.3~13)                                                      | TSX88HN<br>7.8X7.8X5.5                                                              | TSX88HS<br>7.8X7.8X5.5                                                               | KFC-012-H<br>12X12XH(H=4.3~21)                                                        |
|  |  |  |  |  |
| KFC-012A-H<br>12X12XH(H=4.3~21)                                                     | KFC-012-7.3F<br>12X12X7.3                                                           | WS-A06-H IP67<br>6X6XH(H=4.3~19)                                                    | WS-M06<br>6X6X4.3/5.0 IP67                                                           | KFC-A06J-H<br>H=3.1/3.5/4.3/5.0                                                       |

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
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| KFC-2DV-7.3/9.5                                                                       | WS-012-H IP67<br>12X12XH(H=4.3~19)                                                    | TSL-A061 6X9mm                                                                        | TSL-A061-DL2 $\phi$ 7.5<br>TSL-A061-3L2 $\phi$ 8.0<br>TSL-A061-7L2 $\phi$ 10          | TSL-A061-DL1 $\phi$ 7.5<br>TSL-A061-3L1 $\phi$ 8.0<br>TSL-A061-7L1 $\phi$ 10          |
|    |    |    |    |    |
| TSL-A061-2DL1                                                                         | TSL-A063 6X7.2mm                                                                      | TSL-A063-DL1 $\phi$ 7.5<br>TSL-A063-3L1 $\phi$ 8.0<br>TSL-A063-7L1 $\phi$ 10          | TSL-A063-9                                                                            | TSL-012<br>12X12X7.3                                                                  |
|    |    |    |    |    |
| PS-22F03L ON-ON<br>PS-22F03N ON-(ON)                                                  | PS-42F09L ON-ON<br>PS-42F09N ON-(ON)                                                  | KZJ2X2-A ON-ON<br>KZJ2X2-B ON-(ON)                                                    | KZJ2X2-1J-A ON-ON<br>KZJ2X2-1J-B ON-(ON)                                              | MSK-12C02                                                                             |
|  |  |  |  |  |
| MSS-22D18                                                                             | SS-12D00                                                                              | SS-12D07                                                                              | SS-12D06<br>3A 250VAC                                                                 | SS-12D10<br>3A 250VAC                                                                 |
|  |  |  |  |  |
| SS-12F15                                                                              | SS-12F17                                                                              | SS-12F21                                                                              | SS-12F23                                                                              | SS-12F25                                                                              |
|  |  |  |  |  |
| SS-12F44                                                                              | SS-13D07                                                                              | SS-13F23                                                                              | SS-22D07                                                                              | SS-22F07                                                                              |



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| SS-22F24                                                                            | SS-22F25                                                                            | SS-22F32                                                                            | SS-22G04<br>1.5A 250VAC                                                              | SS-22I02<br>1.5A 250VAC                                                               |
|    |    |    |    |    |
| SS-22K35<br>1.5A 250VAC                                                             | SS-23D03                                                                            | SS-23D07                                                                            | SS-23F19<br>1.5A 250VAC                                                              | SS-23H25<br>3A 250VAC                                                                 |
|   |    |   |   |   |
| SS-23L03<br>3A 250VAC                                                               | SS-24N01<br>3A 250VAC                                                               | SS-42H03                                                                            | SK-12D07                                                                             | SK-13D07                                                                              |
|  |  |  |  |  |
| SK-22D02                                                                            | SK-23D06                                                                            | SK-23E01                                                                            | TS-22E01AT15                                                                         | TS-23E01AT15                                                                          |
|  |  |  |  |  |
| SS-22N03<br>5A 250VAC                                                               | SS-22N04<br>10A 250VAC                                                              | SS-22N02<br>10A 250VAC                                                              | SS-23N02<br>8A 250VAC                                                                | SS-24N02<br>8A 250VAC                                                                 |
|  |  |  |  |  |
| SS8-1<br>3A 250VAC                                                                  | SS8-2<br>3A 250VAC                                                                  | SS8-5<br>3A 250VAC                                                                  | SS8-7<br>3A 250VAC                                                                   | SS8-8<br>3A 250VAC                                                                    |

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|    | <p>RBS-1-112-20VP (1P12T)<br/>RBS-1-206-20VP (2P6T)<br/>RBS-1-304-20VP (3P4T)<br/>RBS-1-403-20VP (4P3T)<br/>RBS-1-602-20VP (6P2T)<br/>L=15;20;25;40mm<br/>0.5A 125VAC;0.3A 250VAC</p>                                                    |
|    | <p>RBS-1-112-20VS (1P12T)<br/>RBS-1-206-20VS (2P6T)<br/>RBS-1-304-20VS (3P4T)<br/>RBS-1-403-20VS (4P3T)<br/>RBS-1-602-20VS (6P2T)<br/>L=15;20;25;40mm<br/>0.5A 125VAC;0.3A 250VAC</p>                                                    |
|   | <p>RTS-01-1P-20VP (1 Pole)<br/>RTS-01-2P-20VP (2 Poles)<br/>RTS-01-3P-20VP (3 Poles)<br/>RTS-01-4P-20VP (4 Poles)<br/>L=15;20;25;30;38;50mm<br/>0.3A 125VAC;0.15A 250VAC</p>                                                                                                                                              |
|  | <p>RS16-1-8-15VP (1P8T)<br/>RS16-2-4-15VP (2P4T)<br/>L=15;20;25mm<br/>0.3A 60VDC</p>                                                                                                                                                                                                                                    |
|  | <p>RT634-1 (5Pin 4Position)<br/>RT634-2 (3Pin 2Position)<br/>RT634-3 (4Pin 3Position)<br/>RT634-4 (6Pin 5Position)<br/>RT634-5 (7Pin 6Position)<br/>RT634-6 (8Pin 7Position)<br/>RT634-7 (9Pin 8Position)<br/>6A 250VAC T85</p>    |
|  | <p>RT2 Series<br/>L=11.4;15;18;23;26mm<br/>16A 250VAC T100</p>                                                                                                                                                                     |



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| A-1316 (12.7x16)                                                                    | A-1512 (15x12)<br>A-2014 (20x14)                                                    | Aluminum Knob 18T                                                                   | MSL (19.5x15)                                                                        | KN-109(15x14)<br>KN-112(15.5x17)                                                      |
|    |    |    |    |    |
| MF-A                                                                                | C-2005(26x12)                                                                       | C-2009(26x14)                                                                       | KN-138(23.8x14)<br>KN-135(29x19)<br>KN-139(36.5x15.2)                                | KN-2618S(25.4x19)                                                                     |
|   |   |   |   |   |
| MF-B                                                                                | KN-8C/D/E/F                                                                         | KYD19-16(19x16)<br>KYD28-16(28x16)                                                  | KN-32(24x16)                                                                         | KN-33B(32x18)                                                                         |
|  |  |  |  |  |
| KN-1470A(28.4x12.7)                                                                 | KN-1400(21x11)                                                                      | KN-1900H-S(12.7x16)                                                                 | MF-B00(20x11)                                                                        | KN-7074(20x12)                                                                        |
|  |  |  |  |  |
| KN-1516(15x16)                                                                      | KN-1615(16x15)                                                                      | KN-1614(16x14)                                                                      | KA485-2(15x15)                                                                       | KA485-4(15x15)                                                                        |
|  |  |  |  |  |
| KN-19(19x15)                                                                        | KN-1360(16x12)                                                                      | KN-1611(16x15)                                                                      | A-2019(31x16)                                                                        | K7-1(32x13.5)                                                                         |

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| GQ6F-DW $\phi 6$                                                                      | GQ8A-D $\phi 8$                                                                       | GQ8B-D $\phi 8$                                                                       | XD22-6 XD22-8<br>XD22-10 XD22-12<br>XD22-14 XD22-16                                   |
|    |    |    |    |
| XD8-1 $\phi 8$<br>XD10-1M $\phi 10$<br>XD12-1M $\phi 12$                              | XD8-1W $\phi 8$                                                                       | XD8-2 $\phi 8$                                                                        | XD8-2W $\phi 8$                                                                       |
|   |   |   |   |
| GQ12A-D (Pin)<br>GQ12AS-D (Screw) $\phi 12$                                           | GQ12A-DW-2 $\phi 12$<br>GQ16A-DW-2 $\phi 16$<br>Engravable                            | GQ16A-D-3 (Pin)<br>GQ16AS-D-3 (Screw)<br>Engravable $\phi 16$                         | GQ19A-D (Pin)<br>GQ19AS-D (Screw)<br>Engravable $\phi 19$                             |
|  |  |  |  |
| MDX-8 $\phi 8$                                                                        | WL-04 $\phi 8$                                                                        | XD10-1 $\phi 10$                                                                      | XD10-3 $\phi 10$                                                                      |
|  |  |  |  |
| XD10-6W $\phi 10$                                                                     | XD10-7W $\phi 10$                                                                     | XD10-8W $\phi 10$                                                                     | MDX-11A $\phi 9.5$<br>MDX-14A $\phi 13$                                               |



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|                                         |                   |     |    |
| MDX-11AW $\phi$ 9.5<br>MDX-141AW $\phi$ 13                                                                               | MDX-13 $\phi$ 13                                                                                   | NXD-215 $\phi$ 8 NXD-211 $\phi$ 10<br>NXD-212 $\phi$ 12 NXD-213 $\phi$ 16            | WL-02S $\phi$ 12.7                                                                    |
|                                         |                   |    |    |
| DR016 $\phi$ 16                                                                                                          | PL1604 $\phi$ 15                                                                                   | KCD1-5-D $\phi$ 21                                                                   | KCD3-D 28x10                                                                          |
|                                        |                  |   |   |
| AD16-16C $\phi$ 16                                                                                                       | AD16-16E $\phi$ 16                                                                                 | AD16-22DS $\phi$ 22                                                                  | AD16-16SM $\phi$ 16<br>AD16-22SM $\phi$ 22                                            |
|                                       |                 |  |  |
| LH-12,16,19,22<br>LED Halo                                                                                               | MLH-3( $\phi$ 3 LED)<br>MLH-5( $\phi$ 5 LED)<br>Metal Nickel                                       | MLH-3-1( $\phi$ 3 LED)<br>MLH-5-1( $\phi$ 5 LED)<br>Metal Chrome                     | MLH-3-2( $\phi$ 3 LED)<br>MLH-5-2( $\phi$ 5 LED)<br>Metal Chrome                      |
|                                       |                 |  |  |
| PLH-3( $\phi$ 3 LED)<br>PLH-5( $\phi$ 5 LED)<br>PLH-8( $\phi$ 8 LED)<br>PLH-10( $\phi$ 10 LED)<br>PLH-12( $\phi$ 12 LED) | PLH-3K( $\phi$ 3 LED)<br>PLH-5K( $\phi$ 5 LED)<br>PLH-8K( $\phi$ 8 LED)<br>PLH-10K( $\phi$ 10 LED) | PLH-3K-2( $\phi$ 3 LED)<br>PLH-5K-2( $\phi$ 5 LED)<br>Plastic Black                  | LC3-1( $\phi$ 3 LED)<br>LC5-1( $\phi$ 5 LED)                                          |

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|    |    |    |    |    |
| ASW-01                                                                                | ASW-02D                                                                               | ASW-01-HS                                                                             | ASW-05 L=7/13/20                                                                      | ASW-05A                                                                               |
|    |    |    |    |    |
| ASW-07D+SAC-01                                                                        | ASW-07D-2                                                                             | ASW-08                                                                                | ASW-13-101<br>ASW-13-111                                                              | ASW-13D<br>ASW-13-103                                                                 |
|   |   |   |   |   |
| ASW-14-101                                                                            | ASW-14D                                                                               | ASW-15D                                                                               | ASW-17D                                                                               | ASW-18                                                                                |
|  |  |  |  |  |
| PIN-10R                                                                               | P-31                                                                                  | PIN-2                                                                                 | PIN-7                                                                                 | ASW-20D                                                                               |
|  |  |  |  |  |
| ASW-20D-2                                                                             | ASW-23-101A                                                                           | ASW-23-103A                                                                           | ASW-29D                                                                               | DS1825                                                                                |
|  |  |  |  |  |
| RS-203/223/2233-4C                                                                    | KCD2-7-101                                                                            | KCD2-7-203<br>KCD2-7-223                                                              | R13-401-101                                                                           | R13-401-103                                                                           |



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| R13-501-101 IP65                                                                    | TS16-10EL IP67                                                                      | A2-23B-07                                                                           | ASW-B05                                                                              | DR-A1                                                                                 |
|    |    |    |    |    |
| DR-A2                                                                               | DR-A3                                                                               | DR-A4                                                                               | DR-A5                                                                                | DR-A6                                                                                 |
|   |   |   |   |   |
| DR-A7                                                                               | DR-A8                                                                               | DR-A9                                                                               | DR-AM                                                                                | DR-AN                                                                                 |
|  |  |  |  |  |
| DR-AL Engravable                                                                    | DR-AJ Engravable                                                                    | DR-AX Engravable                                                                    | DR-PBS-T002 Engravable                                                               | DR-T20A-B Engravable                                                                  |
|  |  |  |  |  |
| ASW-A01                                                                             | ASW-A1002                                                                           | ASW-A1204S                                                                          | ASW-A6004                                                                            | ASW-A701                                                                              |
|  |  |  |  |  |
| ASW-A701S-B                                                                         | ASW-A705                                                                            | ASW-A720                                                                            | ASW-A802                                                                             | ASW-A805                                                                              |

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| DS10-U                                                                                | PN-1812                                                                               | PN-1813                                                                               | PN-1814                                                                               |
|    |    |    |    |
| PN-1815                                                                               | PN-1816                                                                               | PN-1818                                                                               | PN-AB2                                                                                |
|   |   |   |  |
| PN-L6S1                                                                               | PN-L6S3-2                                                                             | PN-R5S3                                                                               | PN-R6                                                                                 |
|  |  |  |  |
| PN-R8S4                                                                               | PN-SAC1                                                                               | PN-SAC2                                                                               | PN-SAC3                                                                               |
|  |  |  |  |
| PN-SAC5                                                                               | SP-053                                                                                | PN-SPRF8                                                                              | PCP-6                                                                                 |



|            |              |                |                |            |
|------------|--------------|----------------|----------------|------------|
|            |              |                |                |            |
| DS2013     | DS2013H-4.2A | DS2013H-4.2A-S | DS2013H-7.2A-S | DS2013-P13 |
|            |              |                |                |            |
| DS2013-P21 | DS2013-P22   | DS2013-P24     | DS2013-P6      | DS9602     |
|            |              |                |                |            |
| DS9602-S   | DS2013-E     | DS2013-L       | DS4010         | DS4010W    |
|            |              |                |                |            |
| DS4010-S   | DS4010AS     | DS8010         | DE-02          | DE-05      |
|            |              |                |                |            |
| DR-02      | DR-01        | DR-07          | DR-Y6          | DR-Y8      |
|            |              |                |                |            |
| DS1011     | DS1011L+DS2  | DS5015         | BB1-1          | BB2-1      |

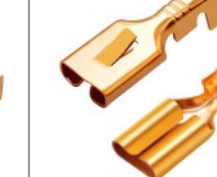
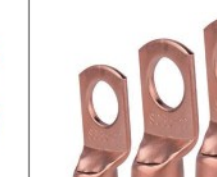
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|                                  |                                  |                                    |                                |                                                            |
| BB150-T2M6S12                    | BB150-T4M8S6                     | BB150-T5M8                         | BB150-T6 150A<br>BB300-T6 300A | BB150-T7M6                                                 |
|                                  |                                  |                                    |                                |                                                            |
| BB250-T4S6                       | BB300-T3M10S10                   | BB300-T4                           | DB-43                          | DB-38                                                      |
|                                  |                                  |                                    |                                |                                                            |
| 56-00026                         | 56-00028                         | BT-18                              | BT-21                          | FB-2014                                                    |
|                                  |                                  |                                    |                                |                                                            |
| Blade Fuse                       | ABF-404<br>ABF-405 Midi Fuse     | ABF-406 Mega Fuse                  | ANLF1                          | Tube Fuse                                                  |
|                                  |                                  |                                    |                                |                                                            |
| BF-012 $\phi$ 5x20<br>Pitch=15mm | BF-013 $\phi$ 5x20<br>Pitch=15mm | MF-563 $\phi$ 5x20<br>Pitch=22.5mm | BHC1 $\phi$ 5x20<br>Pitch=15mm | BF-015 $\phi$ 5x20<br>BF-016 $\phi$ 6x30                   |
|                                  |                                  |                                    |                                |                                                            |
| F5X20 CLIP<br>F6X30 CLIP         | BF-017 $\phi$ 5x20               | BF-018 $\phi$ 5x20                 | BLX-1 $\phi$ 5x20 $\phi$ 12    | BLX-3 $\phi$ 5x20 $\phi$ 12<br>BLX-4 $\phi$ 5x20 $\phi$ 13 |

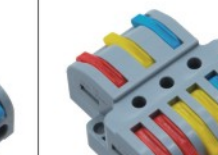


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|    |    |    |    |    |
| R3-11 $\phi$ 5x20 $\phi$ 12.5                                                       | FH-102 $\phi$ 6x30 $\phi$ 14<br>FH-103 $\phi$ 6x30 $\phi$ 15                        | F103-C1 $\phi$ 5x20<br>F103-C2 $\phi$ 6x30                                          | F104-C1 $\phi$ 5x20<br>F104-C2 $\phi$ 6x30                                           | F106-C $\phi$ 6x30                                                                    |
|    |    |    |    |    |
| AGU-02 $\phi$ 10x38                                                                 | QSA-1                                                                               | QSB-1                                                                               | QSB-2                                                                                | QSC-1                                                                                 |
|   |   |   |   |    |
| QS-03 ATC Fuse                                                                      | F107-C MINI Fuse                                                                    | F110-C ATC Fuse                                                                     | F111-C ATC Fuse                                                                      | F114-C ATC Fuse                                                                       |
|  |  |  |  |  |
| F117-C ATC Fuse                                                                     | F113-C MAXI Fuse                                                                    | F116-C MAXI Fuse                                                                    | AFS-07                                                                               | AFS-30                                                                                |
|  |  |  |  |  |
| ANS-H                                                                               | ANS-H12                                                                             | MEGA-1                                                                              | ANL-04                                                                               | ANL-07-2                                                                              |
|  |  |  |  |  |
| ANL-33                                                                              | BB300-ANL                                                                           | FB-1709L                                                                            | FH-723                                                                               | FB-1713                                                                               |

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| FB-1714                                                                               | FB-2012 12IN12OUT<br>FB-2012B 1IN12OUT                                                | FB-1901                                                                               | FB-1902                                                                               | ST-1 3~25A                                                                            |
|    |    |    |    |    |
| ST-2P 15~50A                                                                          | ST-2A 15~50A                                                                          | ST-001                                                                                | CB-03                                                                                 | CB-06                                                                                 |
|   |   |   |   |   |
| RY-01 Thermo fuse<br>65°C~300°C 10A/15A                                               | TLRS-9700<br>40°C~150°C 5A                                                            | KSD301A-OF2 NC Type<br>KSD301B-OF2 NO Type                                            | KSD301A-OR2 NC Type<br>KSD301B-OR2 NO Type                                            | KSD301M-BR2<br>Manual reset NC Type                                                   |
|  |  |  |  |  |
| HH54P(MY4)<br>PYF14A Relay Socket                                                     | JQX-13F(LY2)<br>PTF08A Relay Socket                                                   | JD1212 4P<br>JD1213 5P                                                                | Jd1912 4P<br>JD1914 5P                                                                | JD1912-W 4P<br>JD1914-W 5P                                                            |
|  |  |  |  |  |
| JDS Relay Socket                                                                      | WM686-K                                                                               | RB-R4F12-W1                                                                           | RB-R4F15-W1                                                                           | RB-R6F11-W1                                                                           |
|  |  |  |  |  |
| RB-R6F6                                                                               | RB-R10F15                                                                             | DT Series Connector                                                                   | DJ7011;DJ7021;DJ7031<br>DJ7041;DJ7051;DJ7061                                          | Anderson Connector                                                                    |



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| DJ610B-2.8X0.5A<br>D617-4.8X0.5A<br>DJ615-6.3X0.8B                                  | DJ622-D2.8/4.8/6.3                                                                  | DJ622-J2.8/4.8/6.3                                                                  | DJ621-B6.3                                                                           | DJ621-E4.8<br>DJ623-E6.3                                                              |
|    |    |    |    |    |
| DJ614-2.8X0.8B<br>DJ619-4.8X0.8B<br>DJ611-6.3                                       | DJ4311 Series                                                                       | RNB Series                                                                          | AWG Series                                                                           | SC Series                                                                             |
|   |   |   |   |   |
| E Series                                                                            | TE Series                                                                           | RV Series                                                                           | SV Series                                                                            | FDD Series                                                                            |
|  |  |  |  |  |
| MDD Series                                                                          | FDFD Series                                                                         | MPD Series                                                                          | FRD Series                                                                           | BV Series                                                                             |
|  |  |  |  |  |
| RNY Series                                                                          | SNY Series                                                                          | FDNY Series                                                                         | MDNY Series                                                                          | MDFN Series                                                                           |
|  |  |  |  |  |
| FDFN Series                                                                         | FLDNY Series                                                                        | HSRT Series                                                                         | HSYT Series                                                                          | HSMT Series                                                                           |

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| HSFT Series                                                                           | FDFH Series                                                                           | HSC-1 Series                                                                          | SST Series                                                                            | BNT Series                                                                            |
|    |    |    |    |    |
| KW4 KW5 KW6                                                                           | SP Series                                                                             | HCE Series                                                                            | CH-2 CH-3                                                                             | TB Terminal Block                                                                     |
|    |    |    |    |    |
| 221-102                                                                               | 221-103                                                                               | 221-104                                                                               | 221-105                                                                               | 222-211                                                                               |
|  |  |  |  |  |
| 222-102                                                                               | 222-103                                                                               | 222-104                                                                               | 222-105                                                                               | 222-222                                                                               |
|  |  |  |  |  |
| 222-223                                                                               | 222-224                                                                               | 222-242                                                                               | 222-623                                                                               | 222-633                                                                               |
|  |  |  |  |  |
| Wd025 L=27.5mm 5A<br>Wd026 L=35mm 5A<br>Wd027 L=42.5mm 10A                            | WD038A L=27.5mm 5A<br>WD038B L=35mm 5A<br>WD038C L=42.5mm 10A                         | WD032 L=43mm 5A<br>WD036 L=54mm 10A<br>WD038 L=65mm 20A<br>WD039 L=71mm 30A           | WD028A L=33mm 5A<br>WD028B L=41mm 5A<br>WD028C L=51.5mm 10A                           | WD029<br>L=55/66mm 10A                                                                |



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| WD030-2mm<br>WD030-4mm 10A                                                          | WD031 L=50mm 10A                                                                    | WD037 L=75mm 30A<br>WD033 L=100mm 50A                                               | WD040 L=105mm 100A                                                                   | WD020 L=93mm                                                                          |
|    |    |    |    |    |
| WD021 L=125mm                                                                       | Wd022 L=150mm<br>Brass plated                                                       | WD200W 200A<br>WD400W 400A<br>WD600W 600A<br>WD1000W 1000A                          | WD023 L=55mm 20A<br>WD1069 L=84mm 30A                                                | WD1096 L=32/50mm 10A<br>WD1101 L=42/57mm 30A                                          |
|   |   |   |   |   |
| WD1096+CX-3044                                                                      | WD1096W                                                                             | CX-2067 φ2mm                                                                        | CX-2068 φ2mm                                                                         | CX-3041 φ2mm                                                                          |
|  |  |  |  |  |
| CZ-2086 φ2mm                                                                        | CX-02 φ4mm                                                                          | CX-03 φ4mm                                                                          | CX-06 φ4mm                                                                           | CX-07 φ4mm                                                                            |
|  |  |  |  |  |
| CX-3022 φ4mm                                                                        | CX-08 φ4mm                                                                          | CX-2074 φ4mm                                                                        | CX-3044 φ4mm                                                                         | CX-3050 φ4mm                                                                          |
|  |  |  |  |  |
| CZ2 φ4mm                                                                            | CZ3 φ4mm                                                                            | CZ4 φ4mm                                                                            | CZ-2022 φ4mm                                                                         | JS-301 φ8x46mm<br>JS-302 φ4x42mm                                                      |

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| JS-900A φ3mm<br>JS-910A φ4mm<br>JS-999A φ5mm                                          | JS-910B φ4mm                                                                          | JS-910B-2 φ4mm                                                                        | JS-9222 φ4mm                                                                          | JS-999B φ4mm                                                                          |
|    |    |    |    |    |
| JS-999B-2 φ4mm                                                                        | JS-333 φ6mm<br>JS-555 φ8mm<br>JS-555B φ10mm                                           | 5-30R                                                                                 | 14-50R                                                                                | AC-003B                                                                               |
|   |   |   |   |   |
| AC-006                                                                                | AC-008                                                                                | AS-02                                                                                 | AS-04                                                                                 | AS-04F                                                                                |
|  |  |  |  |  |
| AS-05                                                                                 | AS-08                                                                                 | AS-06                                                                                 | AS-07                                                                                 | AS-10                                                                                 |
|  |  |  |  |  |
| AS-10E                                                                                | AC-02A                                                                                | KET-501                                                                               | AC-10F                                                                                | AC-10M                                                                                |
|  |  |  |  |  |
| AC-06A                                                                                | AC-06C                                                                                | AS-C19                                                                                | WP2-2 L=45mm<br>WP2-3 L=35mm                                                          | WP4-1 L=58mm                                                                          |



|                              |                                            |                     |                                          |                             |
|------------------------------|--------------------------------------------|---------------------|------------------------------------------|-----------------------------|
|                              |                                            |                     |                                          |                             |
| DC-005                       | DC-021                                     | DC-022              | DC-022K                                  | DC-022B                     |
|                              |                                            |                     |                                          |                             |
| DC-025M                      | DC-098 $\phi$ 9mm<br>DC-099 $\phi$ 11mm    | DC2.1               | DC2.1-F                                  | DC2.1-T1                    |
|                              |                                            |                     |                                          |                             |
| DC2.1-F2                     | BNC-12                                     | BNC-13              | 2F01M $\phi$ 2.5mm<br>3F01M $\phi$ 3.5mm | 3F07 $\phi$ 3.5mm           |
|                              |                                            |                     |                                          |                             |
| EJ-214M $\phi$ 3.5mm         | CT2502 $\phi$ 2.5mm<br>CT3502 $\phi$ 3.5mm | CT3504 $\phi$ 3.5mm | PJ-617A                                  | PJ-629HAN                   |
|                              |                                            |                     |                                          |                             |
| PJ-644C                      | PJ-644D                                    | PJ-644F             | PJ-651A                                  | PJ-663A                     |
|                              |                                            |                     |                                          |                             |
| PJ-669 Mono<br>PJ-670 Stereo | CT6351                                     | CT6353              | Ct6355 Mono<br>CT042 Stereo              | CT6356 Mono<br>CT038 Stereo |

|                                      |                                         |                                            |                                 |                                            |
|--------------------------------------|-----------------------------------------|--------------------------------------------|---------------------------------|--------------------------------------------|
|                                      |                                         |                                            |                                 |                                            |
| BH2032-3                             | BH2032-5                                | BH2032X1                                   | BH2032X2                        | BH-CR123A                                  |
|                                      |                                         |                                            |                                 |                                            |
| BH5-1001<br>BH7-1001<br>BH18650-1001 | BH5-1001P<br>BH7-1001P<br>BH18650-1001P | BH5-2001<br>BH7-2001<br>BH18650-2001       | BH5-2002<br>BH7-2002            | BH5-2003(W/ switch)<br>BH7-2003(W/ switch) |
|                                      |                                         |                                            |                                 |                                            |
| WBH5-2004 IP65                       | BH5-3001<br>BH7-3001<br>BH18650-3001    | BH5-3003(W/ switch)<br>BH7-3003(W/ switch) | BH5-3010(3AA)<br>BH7-3010(3AAA) | WBH5-3004 IP65                             |
|                                      |                                         |                                            |                                 |                                            |
| BH5-4001<br>BH7-4001<br>BH18650-4001 | BH18650-4001S                           | BH5-4002<br>BH7-4002                       | BH5-6002(6AA)<br>BH7-6002(6AAA) | BH5-8002(8AA)<br>BH7-8002(8AAA)            |
|                                      |                                         |                                            |                                 |                                            |
| BH5-8003<br>(8AA W/ switch)          | DCK1                                    | DCK7                                       | DCK2                            | DCK3                                       |
|                                      |                                         |                                            |                                 |                                            |
| DCK4                                 | DCK6                                    | DCK9                                       | SBH-9V                          | BH-9VPC                                    |