



西普金属按钮  $\Phi 28\text{mm}$



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# METAL PUSH BUTTON SWITCH



### Φ28mm金属按钮开关 Metal Push Button Switch

#### 产品外观

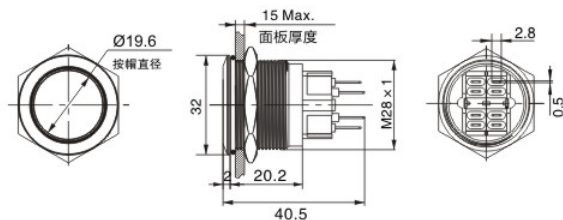
#### 技术参数

#### 外形尺寸



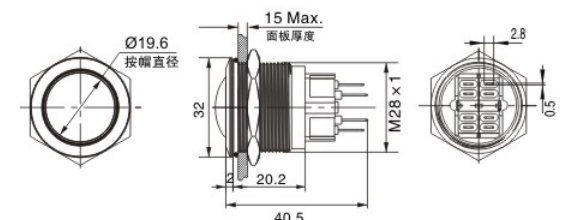
#### MP28S/F11(Z)

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



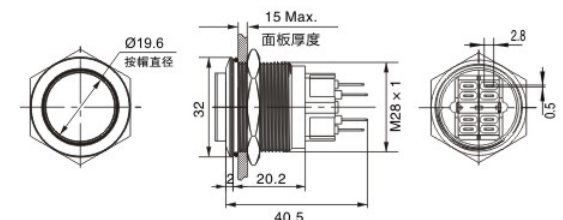
#### MP28S/B11(Z)

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 球面 Ball  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



#### MP28S/H11(Z)

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 高头 Raised  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



| 产品规格 | Specification         | MP28S/F11(Z)                | MP28S/B11(Z)                | MP28S/H11(Z)                |
|------|-----------------------|-----------------------------|-----------------------------|-----------------------------|
| 尾部配置 | Terminal Type         | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) |
| 开关结构 | Switching             | No.2                        | No.2                        | No.2                        |
| 开关规格 | Max.Switch Rating     | 5A/250VAC                   | 5A/250VAC                   | 5A/250VAC                   |
| 接触电阻 | Contact Resistance    | ≤50mΩ                       | ≤50mΩ                       | ≤50mΩ                       |
| 绝缘电阻 | Insulation Resistance | ≥100MΩ                      | ≥100MΩ                      | ≥100MΩ                      |
| 绝缘强度 | Dielectric Intensity  | 2000VAC                     | 2000VAC                     | 2000VAC                     |
| 环境温度 | Operating Temp        | -20℃~+70℃                   | -20℃~+70℃                   | -20℃~+70℃                   |
| 机械寿命 | Mechanical Life       | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        |
| 电气寿命 | Electrical Life       | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        |
| 面板厚度 | Panel Thickness       | 1-15mm                      | 1-15mm                      | 1-15mm                      |
| 螺母扭矩 | Torque                | 1-2Nm                       | 1-2Nm                       | 1-2Nm                       |
| 操作压力 | Operation Pressure    | 5.5-7N                      | 5.5-7N                      | 5.5-7N                      |
| 操作行程 | Operation Travel      | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          |
| 防护等级 | IP Degree             | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        |
| 材料   | 触点                    | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       |
|      | 按键                    | Button                      | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 外壳                    | Body                        | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 底座                    | Base                        | 聚碳酸酯PC                      | 聚碳酸酯PC                      |
| 灯珠参数 | 产品定制                  | Made to order               | 可定制Made to order            | 可定制Made to order            |
|      | 带灯类型                  | Lamp type                   |                             |                             |
|      | 额定电压                  | Rated Voltage(Ue)           |                             |                             |
|      | 灯珠颜色                  | Color                       |                             |                             |
|      | 灯珠寿命                  | Life                        |                             |                             |

### Φ 28mm金属按钮开关 Metal Push Button Switch

#### 产品外观

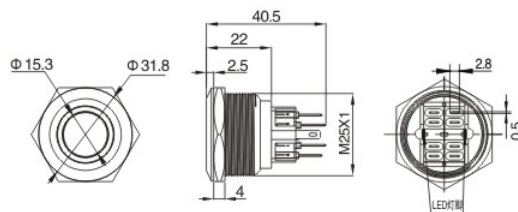
#### 技术参数

#### 外形尺寸



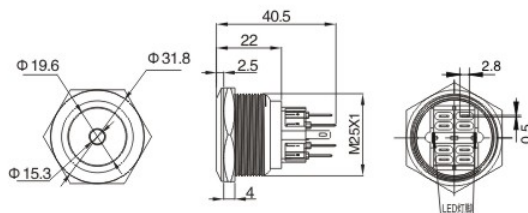
#### MP28S/F11(Z)-Δ▲E

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



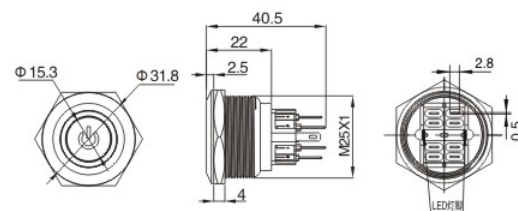
#### MP28S/F11(Z)-Δ▲D

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



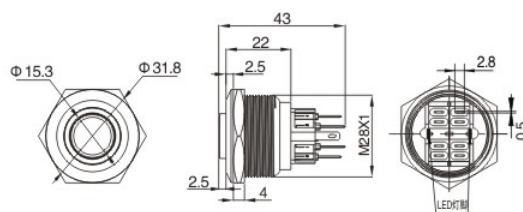
#### MP28S/F11(Z)-Δ▲EDY

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



#### MP28S/H11(Z)-Δ▲E

安装尺寸Diameter: Φ28mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 高头 Raised  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



| 产品规格 | Specification         | MP28S/F11(Z)-Δ▲E            | MP28S/F11(Z)-Δ▲D            | MP28S/F11(Z)-Δ▲EDY                       | MP28S/H11(Z)-Δ▲E            |
|------|-----------------------|-----------------------------|-----------------------------|------------------------------------------|-----------------------------|
| 尾部配置 | Terminal Type         | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm)              | 接线插片Pin Terminal(2.8×0.5mm) |
| 开关结构 | Switching             | No.2                        | No.2                        | No.2                                     | No.2                        |
| 开关规格 | Max.Switch Rating     | 5A/250VAC                   | 5A/250VAC                   | 5A/250VAC                                | 5A/250VAC                   |
| 接触电阻 | Contact Resistance    | ≤50mΩ                       | ≤50mΩ                       | ≤50mΩ                                    | ≤50mΩ                       |
| 绝缘电阻 | Insulation Resistance | ≥100MΩ                      | ≥100MΩ                      | ≥100MΩ                                   | ≥100MΩ                      |
| 绝缘强度 | Dielectric Intensity  | 2000VAC                     | 2000VAC                     | 2000VAC                                  | 2000VAC                     |
| 环境温度 | Operating Temp        | -20℃~+70℃                   | -20℃~+70℃                   | -20℃~+70℃                                | -20℃~+70℃                   |
| 机械寿命 | Mechanical Life       | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        | 50万次以上500,000 cycles                     | 50万次以上500,000 cycles        |
| 电气寿命 | Electrical Life       | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        | 20万次以上200,000 cycles                     | 20万次以上200,000 cycles        |
| 面板厚度 | Panel Thickness       | 1-15mm                      | 1-15mm                      | 1-15mm                                   | 1-15mm                      |
| 螺母扭矩 | Torque                | 1-2Nm                       | 1-2Nm                       | 1-2Nm                                    | 1-2Nm                       |
| 操作压力 | Operation Pressure    | 5.5-7N                      | 5.5-7N                      | 5.5-7N                                   | 5.5-7N                      |
| 操作行程 | Operation Travel      | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm                       | 约2.8mm About 2.8mm          |
| 防护等级 | IP Degree             | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10                     | IP65(可定制 IP67), IK10        |
| 材料   | 触点                    | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold                    | 银镀金Silver Plated Gold       |
|      | 按键                    | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel                       | 不锈钢Stainless steel          |
|      | 外壳                    | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel                       | 不锈钢Stainless steel          |
|      | 底座                    | 聚碳酸酯PC                      | 聚碳酸酯PC                      | 聚碳酸酯PC                                   | 聚碳酸酯PC                      |
| 灯珠参数 | 产品定制                  | Made to order               | 可定制Made to order            | 可定制Made to order                         | 可定制Made to order            |
|      | 带灯类型                  | 环形带灯Ring Illuminated(LED)   | 单点带灯Dot Illuminated(LED)    | 环形电源标 Ring&Power symbol Illuminated(LED) | 环形带灯Ring Illuminated(LED)   |
|      | 额定电压                  | 6/12/24/110/220V            | 6/12/24/110/220V            | 6/12/24/110/220V                         | 6/12/24/110/220V            |
|      | 灯珠颜色                  | R G Y O B W                 | R G Y O B W                 | R G Y O B W                              | R G Y O B W                 |
|      | 灯珠寿命                  | 40000小时hours                | 40000小时hours                | 40000小时hours                             | 40000小时hours                |

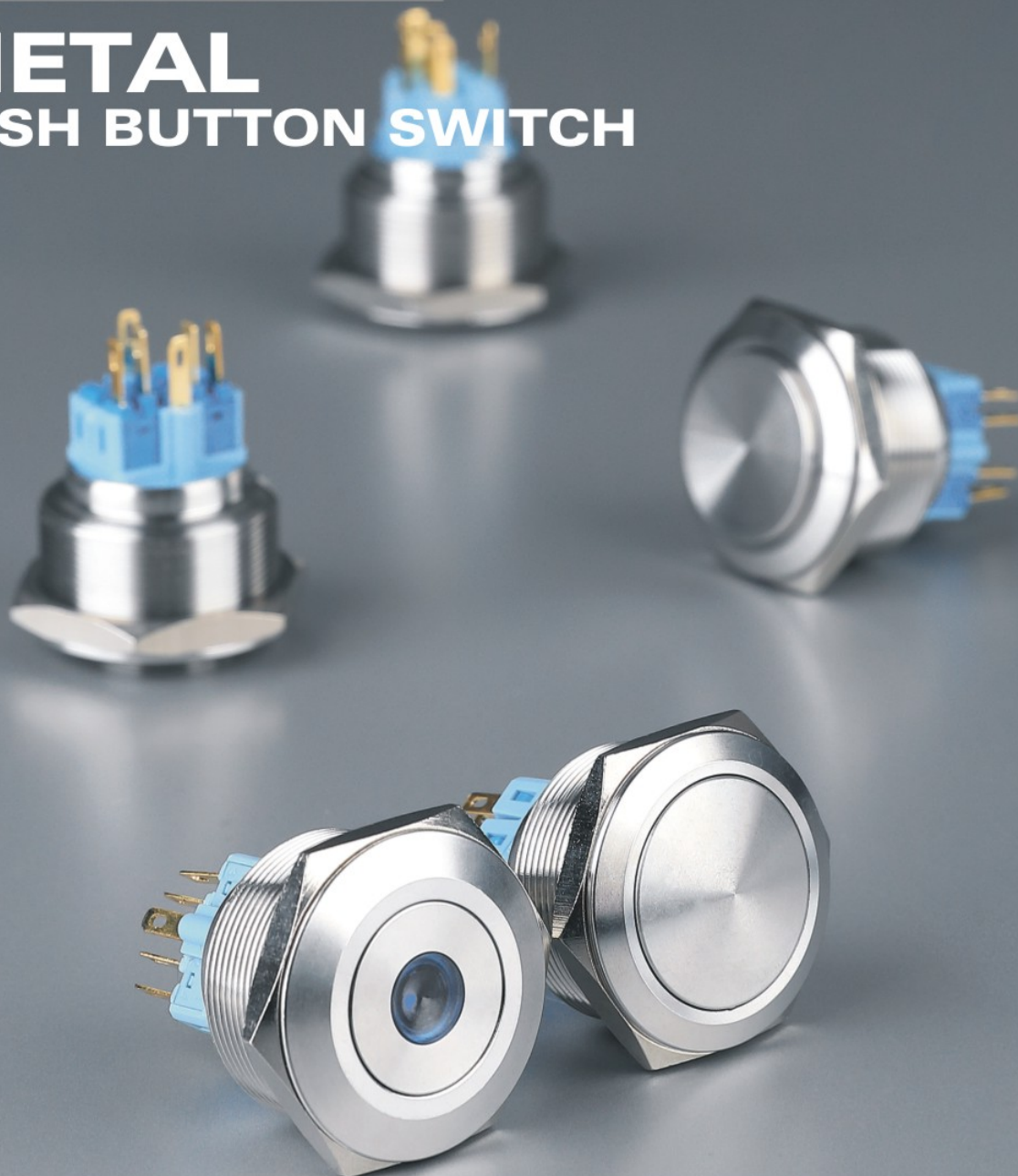


西普金属按钮  $\Phi 30\text{mm}$



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# METAL PUSH BUTTON SWITCH



### Φ 30mm金属按钮开关 Metal Push Button Switch

#### 产品外观

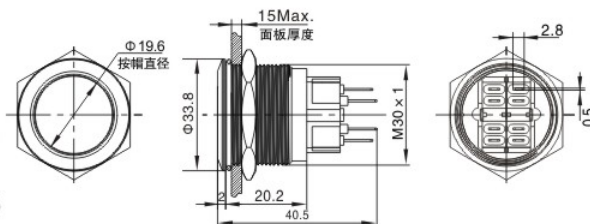
#### 技术参数

#### 外形尺寸



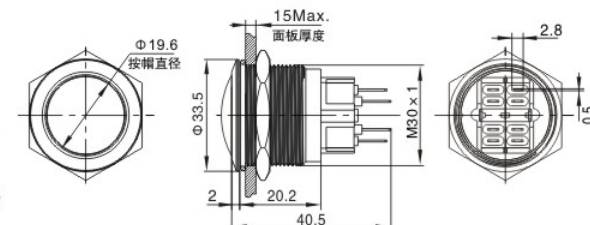
#### MP30S/F11(Z)

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



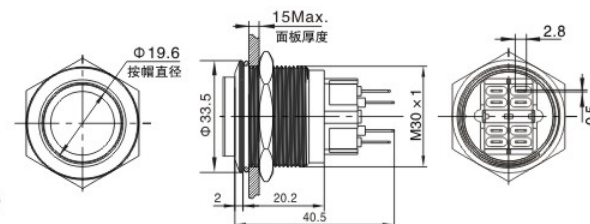
#### MP30S/B11(Z)

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 球面 Ball  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



#### MP30S/H11(Z)

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 高头 Raised  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



| 产品规格 | Specification         | MP30S/F11(Z)                | MP30S/B11(Z)                | MP30S/H11(Z)                |
|------|-----------------------|-----------------------------|-----------------------------|-----------------------------|
| 尾部配置 | Terminal Type         | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) |
| 开关结构 | Switching             | No.2                        | No.2                        | No.2                        |
| 开关规格 | Max.Switch Rating     | 5A/250VAC                   | 5A/250VAC                   | 5A/250VAC                   |
| 接触电阻 | Contact Resistance    | ≤50mΩ                       | ≤50mΩ                       | ≤50mΩ                       |
| 绝缘电阻 | Insulation Resistance | ≥100MΩ                      | ≥100MΩ                      | ≥100MΩ                      |
| 绝缘强度 | Dielectric Intensity  | 2000VAC                     | 2000VAC                     | 2000VAC                     |
| 环境温度 | Operating Temp        | -20℃~+70℃                   | -20℃~+70℃                   | -20℃~+70℃                   |
| 机械寿命 | Mechanical Life       | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        |
| 电气寿命 | Electrical Life       | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        |
| 面板厚度 | Panel Thickness       | 1-15mm                      | 1-15mm                      | 1-15mm                      |
| 螺母扭矩 | Torque                | 1-2Nm                       | 1-2Nm                       | 1-2Nm                       |
| 操作压力 | Operation Pressure    | 5.5-7N                      | 5.5-7N                      | 5.5-7N                      |
| 操作行程 | Operation Travel      | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          |
| 防护等级 | IP Degree             | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        |
| 材料   | 触点                    | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       |
|      | 按键                    | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 外壳                    | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 底座                    | 聚碳酸酯PC                      | 聚碳酸酯PC                      | 聚碳酸酯PC                      |
| 灯珠参数 | 产品定制                  | Made to order               | 可定制Made to order            | 可定制Made to order            |
|      | 带灯类型                  | Lamp type                   |                             |                             |
|      | 额定电压                  | Rated Voltage(Ue)           |                             |                             |
|      | 灯珠颜色                  | Color                       |                             |                             |
|      | 灯珠寿命                  | Life                        |                             |                             |

### Φ 30mm金属按钮开关 Metal Push Button Switch

#### 产品外观

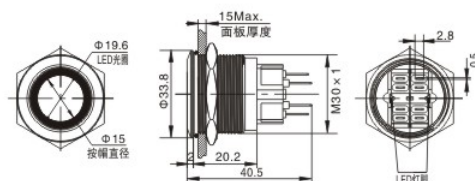
#### 技术参数

#### 外形尺寸



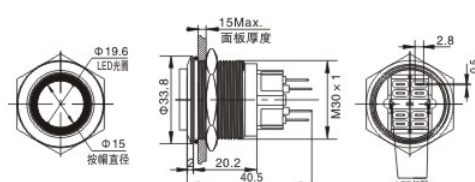
#### MP30S/F11(Z)-Δ▲E

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



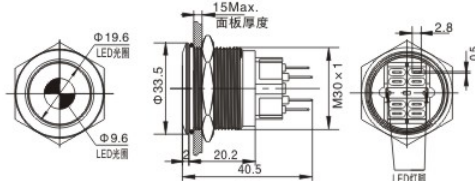
#### MP30S/H11(Z)-Δ▲E

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 高头 Raised  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



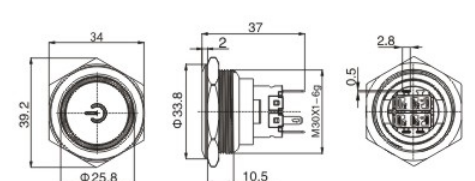
#### MP30S/F11(Z)-Δ▲D

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



#### MP30S1/F11(Z)-Δ▲EDY

安装尺寸Diameter: Φ30mm  
开关组合Contact Configuration: 1NO1NC(11)  
2NO2NC(22)  
头部形状The Front Shape: 平面 Flat  
操作类型Operation Type: 自复型Momentary  
自锁型Maintained(Z)



| 产品规格 | Specification         | MP30S/F11(Z)-Δ▲E            | MP30S/H11(Z)-Δ▲E            | MP30S/F11(Z)-Δ▲D            | MP30S1/F11(Z)-Δ▲EDY         |
|------|-----------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 尾部配置 | Terminal Type         | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) | 接线插片Pin Terminal(2.8×0.5mm) |
| 开关结构 | Switching             | No.2                        | No.2                        | No.2                        | No.3                        |
| 开关规格 | Max.Switch Rating     | 5A/250VAC                   | 5A/250VAC                   | 5A/250VAC                   | 5A/250VAC                   |
| 接触电阻 | Contact Resistance    | ≤50mΩ                       | ≤50mΩ                       | ≤50mΩ                       | ≤50mΩ                       |
| 绝缘电阻 | Insulation Resistance | ≥100MΩ                      | ≥100MΩ                      | ≥100MΩ                      | ≥100MΩ                      |
| 绝缘强度 | Dielectric Intensity  | 2000VAC                     | 2000VAC                     | 2000VAC                     | 2000VAC                     |
| 环境温度 | Operating Temp        | -20℃~+70℃                   | -20℃~+70℃                   | -20℃~+70℃                   | -20℃~+105℃                  |
| 机械寿命 | Mechanical Life       | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        | 50万次以上500,000 cycles        |
| 电气寿命 | Electrical Life       | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        | 20万次以上200,000 cycles        |
| 面板厚度 | Panel Thickness       | 1-15mm                      | 1-15mm                      | 1-15mm                      | 1-15mm                      |
| 螺母扭矩 | Torque                | 1-2Nm                       | 1-2Nm                       | 1-2Nm                       | 1-2Nm                       |
| 操作压力 | Operation Pressure    | 5.5-7N                      | 5.5-7N                      | 5.5-7N                      | 5.5-7N                      |
| 操作行程 | Operation Travel      | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          | 约2.8mm About 2.8mm          |
| 防护等级 | IP Degree             | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        | IP65(可定制 IP67), IK10        |
| 材料   | 触点                    | 触点                          | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       | 银镀金Silver Plated Gold       |
|      | 按键                    | Button                      | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 外壳                    | Body                        | 不锈钢Stainless steel          | 不锈钢Stainless steel          | 不锈钢Stainless steel          |
|      | 底座                    | Base                        | 聚碳酸酯PC                      | 聚碳酸酯PC                      | 聚碳酸酯PC                      |
| 灯珠参数 | 产品定制                  | Made to order               | 可定制Made to order            | 可定制Made to order            | 可定制Made to order            |
|      | 带灯类型                  | Lamp type                   | 环形带灯Dot Illuminated(LED)    | 环形带灯Dot Illuminated(LED)    | 单点带灯Dot Illuminated(LED)    |
|      | 额定电压                  | Rated Voltage(Ue)           | 6/12/24/110/220V            | 6/12/24/110/220V            | 6/12/24/110/220V            |
|      | 灯珠颜色                  | Color                       | R G Y O B W                 | R G Y O B W                 | R G Y O B W R G R G B       |
|      | 灯珠寿命                  | Life                        | 40000小时hours                | 40000小时hours                | 40000小时hours                |



西普金属按钮  $\Phi 40\text{mm}$



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# METAL PUSH BUTTON SWITCH



### Φ MP40金属按钮开关系列 Metal Push Button Switch Series

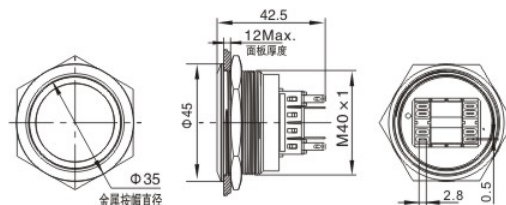
#### 产品外观

#### 技术参数

#### 外形尺寸

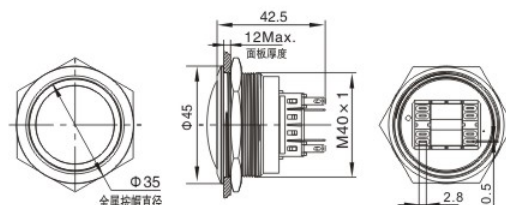
#### MP40S/F22(Z)

安装尺寸Diameter:  $\Phi 40\text{mm}$   
 开关额定值Switch Rating: 5A/250VAC  
 开关组合Contact Configuration: 2NO2NC(22)  
 操作类型Operation Type: 自复型Momentary  
 自锁型Maintained(Z)  
 头部形状The Front Shape: 平面 Flat  
 外壳材料The Crust Material: 不锈钢 Stainless steel  
 环境温度 Operating Temp:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 机械寿命 Mechanical Life: 50万次以上500,000 cycles  
 电气寿命 Electrical Life: 20万次以上200,000 cycles  
 防护等级IP Degree: IP65 (可定制IP67), IK10



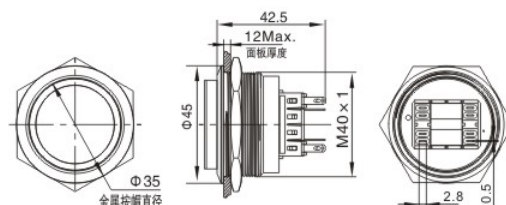
#### MP40S/B22(Z)

安装尺寸Diameter:  $\Phi 40\text{mm}$   
 开关额定值Switch Rating: 5A/250VAC  
 开关组合Contact Configuration: 2NO2NC(22)  
 操作类型Operation Type: 自复型Momentary  
 自锁型Maintained(Z)  
 头部形状The Front Shape: 球面 Ball  
 外壳材料The Crust Material: 不锈钢 Stainless steel  
 环境温度 Operating Temp:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 机械寿命 Mechanical Life: 50万次以上500,000 cycles  
 电气寿命 Electrical Life: 20万次以上200,000 cycles  
 防护等级IP Degree: IP65 (可定制IP67), IK10



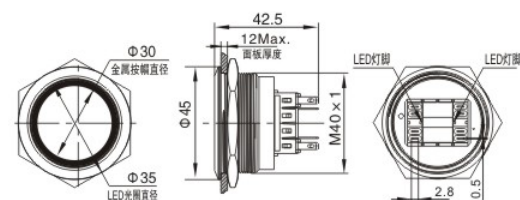
#### MP40S/H22(Z)

安装尺寸Diameter:  $\Phi 40\text{mm}$   
 开关额定值Switch Rating: 5A/250VAC  
 开关组合Contact Configuration: 2NO2NC(22)  
 操作类型Operation Type: 自复型Momentary  
 自锁型Maintained(Z)  
 头部形状The Front Shape: 高面 Raised  
 外壳材料The Crust Material: 不锈钢 Stainless steel  
 环境温度 Operating Temp:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 机械寿命 Mechanical Life: 50万次以上500,000 cycles  
 电气寿命 Electrical Life: 20万次以上200,000 cycles  
 防护等级IP Degree: IP65 (可定制IP67), IK10



#### MP40S/F22(Z)-△▲E

安装尺寸Diameter:  $\Phi 40\text{mm}$   
 灯珠颜色Color: R G B R G B  
 开关额定值Switch Rating: 5A/250VAC  
 开关组合Contact Configuration: 2NO2NC(22)  
 操作类型Operation Type: 自复型Momentary  
 自锁型Maintained(Z)  
 头部形状The Front Shape: 平面 Flat  
 带灯方式Lamp type: 环形带灯Ring Illuminated(LED)  
 外壳材料The Crust Material: 不锈钢 Stainless steel  
 环境温度 Operating Temp:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 机械寿命 Mechanical Life: 50万次以上500,000 cycles  
 电气寿命 Electrical Life: 20万次以上200,000 cycles  
 防护等级IP Degree: IP65 (可定制IP67), IK10



#### MP40S/H22(Z)-△▲E

安装尺寸Diameter:  $\Phi 40\text{mm}$   
 灯珠颜色Color: R G B R G B  
 开关额定值Switch Rating: 5A/250VAC  
 开关组合Contact Configuration: 2NO2NC(22)  
 操作类型Operation Type: 自复型Momentary  
 自锁型Maintained(Z)  
 头部形状The Front Shape: 高面 Raised  
 带灯方式Lamp type: 环形带灯Ring Illuminated(LED)  
 外壳材料The Crust Material: 不锈钢 Stainless steel  
 环境温度 Operating Temp:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$   
 机械寿命 Mechanical Life: 50万次以上500,000 cycles  
 电气寿命 Electrical Life: 20万次以上200,000 cycles  
 防护等级IP Degree: IP65 (可定制IP67), IK10

