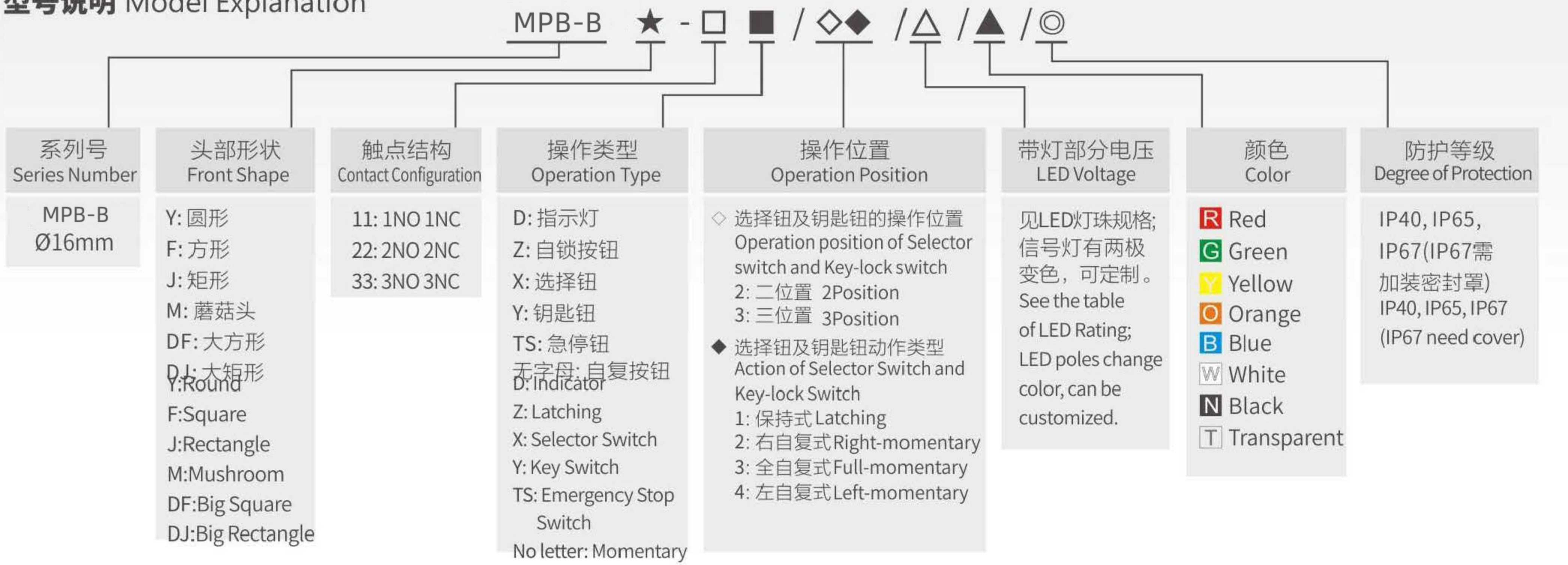


MPB-B 按钮开关系列



型号说明 Model Explanation



性能参数 Parameters

环境温度 Operating Temperature	-25℃~+55℃ (无冰冻)照明开关本体周围 必须空气流通 (No freezing) Keep the air flowing aground illuminated pushbutton	介电强度 Dielectric Strength	触点与灯珠引脚之间 Contact between lamp bead pin 同极端子之间 Between same class terminal 不同电极端子之间 Between different electrode terminal	2000V,AC50Hz,1min 1000V,AC50Hz,1min 2000V,AC50Hz,1min
环境湿度 Operating humidity	45~85%RH(无结露) Non condensing	机械寿命 Mechanical Life	100万次 1,000,000 times	
触点材料 Contact material	银 Silver 银氧化镉 Silver cadmium oxide 银镀金, 镀层厚 3µm Silver plated gold,Plating thickness 3µm	电气寿命 Electrical Life	3万次以上 Above 30,000 times	
接触电阻 Contact Resistance	≤50mΩ	接线 Wiring	焊接线直径 Dia of welding line 最大铜线面积 Max copper wire area	2×0.8mm <sup>2</sup> 0.75mm <sup>2</sup>
绝缘电阻 Insulation Resistance	≥100MΩ	镀金接线插片 Wiring insert	2.8×0.5mm <sup>2</sup>	
耐振动性 Vibration Resistance	50Hz, 振幅约1.2mm 50Hz,Amplitude about1.2mm	操作行程 Operating distance	(按钮)约3mm (Buton)About3mm	
耐冲击性 Shock resistance	>10g			

开关额定值 Switch Rating

发热电流Ith Conventional thermal current	5A温度不超过最大额定值所允许的电流 5A(Temperature not more than the maximum allowed continuous working current)
额定电压 Rated Voltage	24V 125V(110V) 250V(220V)
直流 DC	2A 0.2A 0.1A
交流 AC	P.F=1 5A 3A P.F=0.7 5A 2A

LED灯珠规格 LED Lamp Specifications

灯珠类型 Lamp Type	双向LED灯珠(交直流通用) Bi-directional LED lamp (AC DC Universal)	灯珠等效电路 Lamp Equivalent Circuit	
额定电压 Rated Voltage	1.8V、2.8V、6V、12V、24V、36V、110V、220V		
额定电流 Rated Current	约20mA about 20mA		
发光颜色 Color			
寿命 Life	50000小时(参考值) 50000 hours (reference value)		

采用交直流通用的LED灯珠, 接线端子无正负极区分;  
灯珠内置保护电阻, 不需外接。  
AC-DC Universal LED lamp, terminal differentiate between positive  
and negative; lamp beads built-in protection resistors, no external.

注: 如需单向直流LED灯珠可定做; 其他电压规格可按要求定做。  
Note: Unidirectional DC LED lamp can be customized if needed; other voltage specifications could be special made

开关结构说明 Switch Structure Explanation

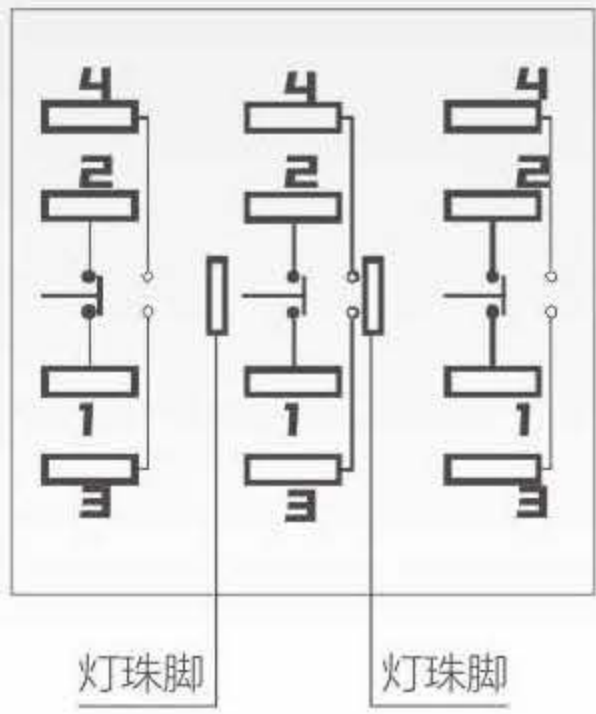
型式Type	符号 Symbol	示意图 Diagram	说明 Explanation
Za			具有四个端子的双断点快动转换触头开关 Double break snap-action changeover contacts switch with four terminals.



# MPB-B Series Pushbutton Switches



## 引脚说明 Pin Description



- 最多可配置3组开关
- 1,2,3,4 为一组开关
- 1、2为常闭触头
- 3、4为常开触头
- 常规灯珠配置无正负极区分，灯珠已内置保护电阻无需外接。灯珠与开关相对独立，可通过开关或外围电路控制灯珠状态。

- Pin 1,2,3,4 are a set of switch
- NCpin1,pin2 is normally closed contact NC.
- NOpin3,pin 4 is normally open contact Number
- Normal lamp configuration has no differentiate between positive and negative, LED has built-in protection resistors, no need external connection.
- LED and switch pin are separated, but switch and external circuit can control the LED state by connecting the LED pin.

## 选择钮、钥匙钮操作位置 Operation position of Selector switch and Key switch

区分 Sort	复位方式 Reset Style			钥匙拔出位置/Key out Positon							
	自锁 Latching	自复 Momentary									
2段 2Positon											
代号 Code	21	23		A	B	D					
3段 3Positon											
代号 Code	31	32	34	33	A	B	C	D	E	F	G

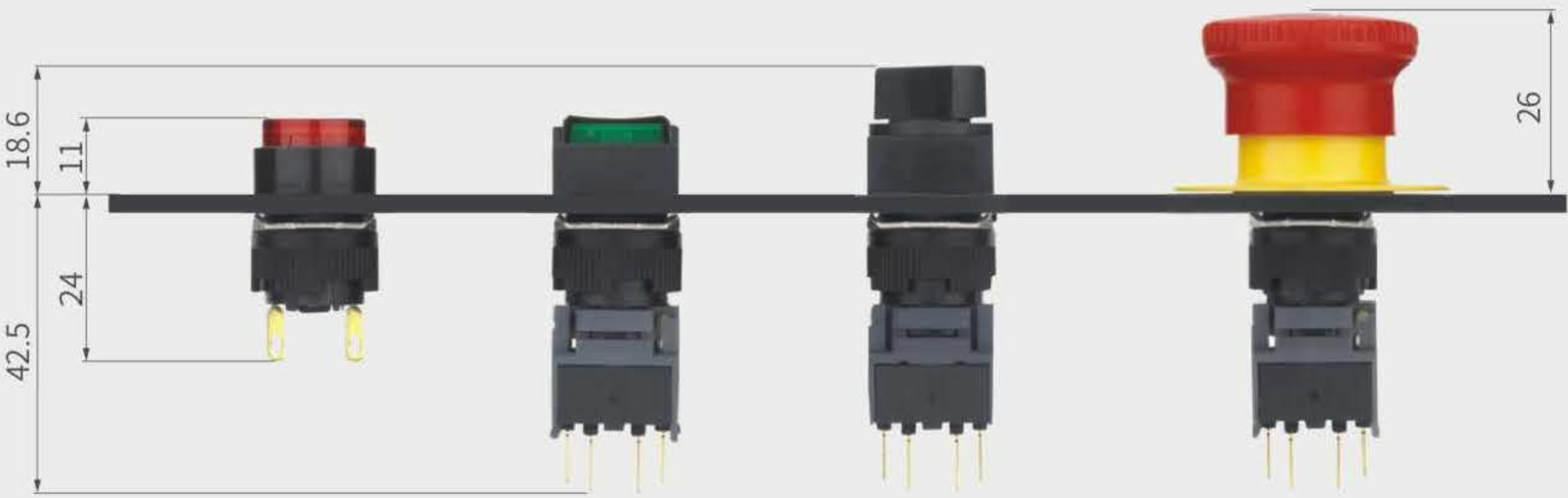
选择/钥匙开关旋转角度90°是基本 Selector/Key switches basic rotation angle 90°

操作位规格 Operation	触点 Contact		
90° 2位 2 Positon	自锁 Latching	自复 Momentary	
45° 3位 3 Positon	自锁 Latching	左锁右复 Left lock Right reset	左复右锁 Left reset Right lock
	自锁 Latching	左复右锁 Left reset Right lock	自复 Momentary
	自锁 Latching	左复右锁 Left reset Right lock	自复 Momentary

## 安装孔尺寸 Mounting Hole Size

圆形 Round 方形 Square	矩形 Rectangle 大矩形 Big Rectangle	蘑菇形 Mushroom 大方形 Big Square

## 安装效果预览 Installation Effect Preview



除指示灯外，其他产品安装深度都为42.5mm  
Installation depth of other products is 42.5mm except for indicator lamp