

按钮开关系列 及指示灯



特性 /Features

- 安装直径 /Installation diameter: 8/10/12mm
- 防护等级 /Degree of Protection: IP40
- 紧凑型设计 /Compact design saves space
- 灯罩防紫外线 /UV Protective lamp shade
- LED 超高亮冷光源 灯显示
Super bright LED cold light source lamp display

技术参数 Technical parameters

额定绝缘电压 Rated insulation voltage	250VAC/DC	
环境温度(不结露或结冰)Ambient temperature(no condensation or Ice)	-20°C~+55°C	
湿度(不结露或结冰)Humidity(no condensation or Ice)	45 至 85%RH(-5 至 +40°C) 45~85%RH(-5~+40°C)	
触点材料 Contact Material	银; 银氧化镉, 银镀金; 镀层厚 3μm Silver/Silver oxidation cadmium silver-gold silver, 3μm thick plating	
耐冲击性 Impact resistance	>10g	
耐振动性 Vibration resistance	50Hz, 振幅约(amplitude)~1.2mm	
绝缘电阻 Insulation resistance	100mΩ 或以上(500VDC 高阻表) 100mΩ or above(500VDC megameter)	
防护等级 Protection grade	IP40	
寿命(动作) Performance life	机械 Mechanical	1 百万次 1 million times
	电气 Electric	30,000 次以上(Over 30,000times)
最高电压 Top voltage	触点与灯珠引脚之间 Between contact hight-beadlead	2000V AC50Hz
	两极端子之间 Among same polar terminals	1000V AC50Hz
	不同电极端子之间 Among different polar terminals	2000V AC50Hz
触点材料 Contact Material	镀金银触点 Silver with goldplating	

触点额定值 Contact rated value

热电流 Hot current	3A			
工作电压 Working voltage		24V	110V	220V
工作电流 Work current	AC50/50Hz	阻性 Resistant	1.0A	0.5A
		感性 Inductive	0.7A	0.5A
	DC	阻性 Resistant	1.0A	0.2A
		感性 Inductive	0.7A	0.1A
LED 额定值 LED Ratings	额定工作电压 Rated working voltage	12V ± 10%VDC	6V ± 5%VDC	24V ± 10%VDC
	额定工作电流 Rated working current	10mA		
	工作寿命 Operation life	约 40000 小时 about 4000 hour		

LED 灯珠参数 LED Ratings

额定电压 Rated Voltage	电流 Current
5V DC ± 5%	8mA
	AC:A,R,W,Y:8mA
	G,S:7mA
6V AC/DC(± 10%)	DC:A,R,W,Y:6mA
	G,S:5mA
	AC:9mA DC:8mA
12V AC/DC(± 10%)	AC:9mA DC:8mA
24V AC/DC(± 10%)	AC:9mA DC:8mA

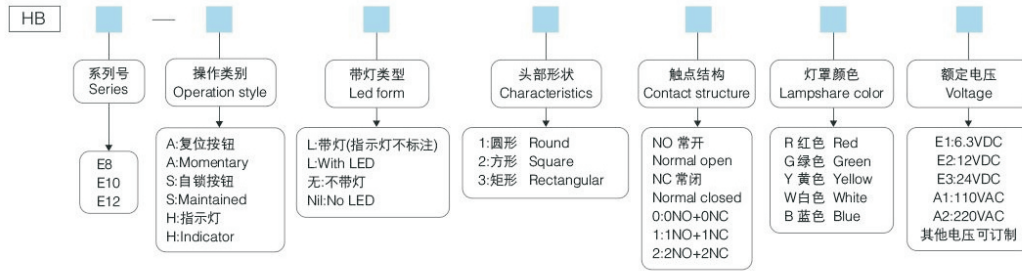
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Push button & Indicator

➤ E8/E10/E12 Series

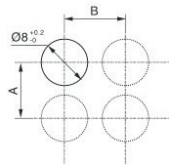
按钮开关系列及指示灯

型号命名 / Select code



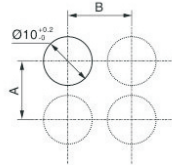
安装尺寸及接线图 / Installation size & Contacts circuit

E8安装尺寸 / E8 Installation size



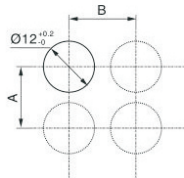
类别	A	B
圆形	≥10mm	≥10mm
方形	≥10mm	≥10mm
长方形	≥10mm	≥14mm

E10安装尺寸 / E10 Installation size



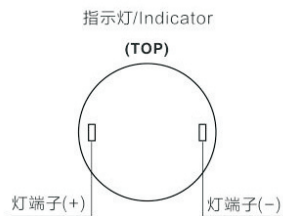
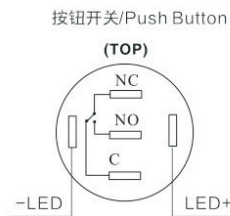
类别	A	B
圆形	≥12mm	≥12mm
方形	≥12mm	≥12mm
长方形	≥12mm	≥16mm

E12安装尺寸 / E12 Installation size



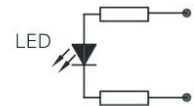
类别	A	B
圆形	≥10mm	≥10mm
方形	≥10mm	≥10mm
长方形	≥10mm	≥14mm

端子排列图 / Terminal style



灯珠电路图 / LED Circuit


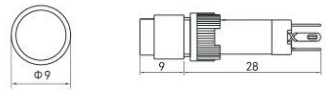

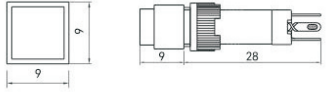

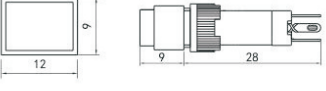

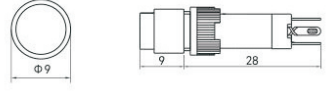

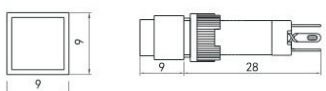

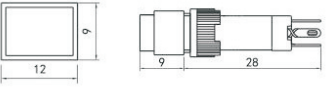
适用于交直流 12VDC, 24VDC, 110VAC, 220VAC 系列
For 12VDC, 24VDC, 110VAC, 220VAC



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Push button & Indicator


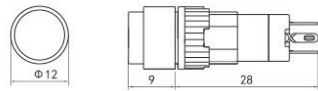

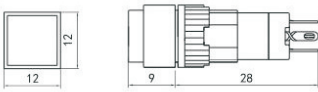

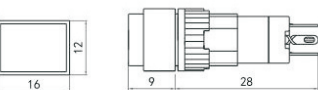

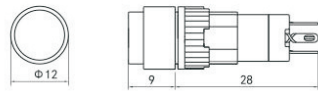

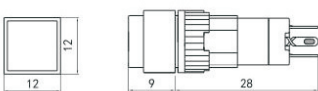

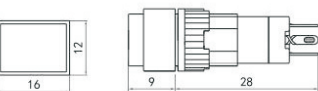
E8 Series

名称 / 外观 Product appearance	操作类别 Operation	带灯形式 Led form	触点 Contact	产品型号 Model	灯罩颜色 Top Color	外形尺寸 Overall dimension
圆形 Circular 	指示灯 Maintained	带灯 With LED	0NO+0NC	E8-H10 ●		
方形 Square 	指示灯 Maintained	带灯 With LED	0NO+0NC	E8-H20 ●		
矩形 Rectangular 	指示灯 Maintained	不带灯 Without LED	0NO+0NC	E8-H30 ●		
●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue						
圆形 Circular 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E8-A11 ● E8-AL11 ● E8-S11 ● E8-SL11 ●		
方形 Square 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E8-A21 ● E8-AL21 ● E8-S21 ● E8-SL21 ●		
矩形 Rectangular 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E8-A31 ● E8-AL31 ● E8-S31 ● E8-SL31 ●		

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Push button & Indicator


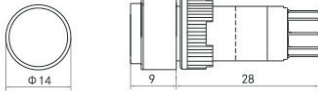

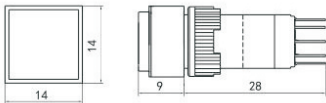

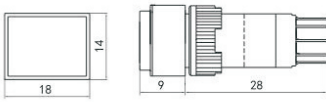

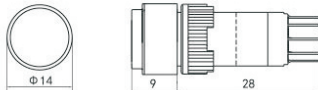

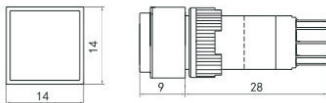

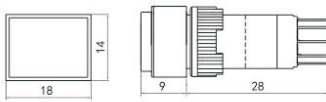
E10 Series

名称 / 外观 Product appearance	操作类别 Operation	带灯形式 Led form	触点 Contact	产品型号 Model	灯罩颜色 Top Color	外形尺寸 Overall dimension
圆形 Circular 	指示灯 Maintained	带灯 With LED	0NO+0NC	E10-H10 ●		
方形 Square 	指示灯 Maintained	带灯 With LED	0NO+0NC	E10-H20 ●		
矩形 Rectangular 	指示灯 Maintained	不带灯 Without LED	0NO+0NC	E10-H30 ●		
					●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue	
圆形 Circular 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E10-A11 ● E10-AL11 ● E10-S11 ● E10-SL11 ●		
方形 Square 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E10-A21 ● E10-AL21 ● E10-S21 ● E10-SL21 ●		
矩形 Rectangular 	复位 Momentary 自锁 Maintained	不带灯 Without LED 带灯 With LED	1NO+1NC 1NO+1NC	E10-A31 ● E10-AL31 ● E10-S31 ● E10-SL31 ●		

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Push button & Indicator

E12 Series

名称 / 外观 Product appearance	操作类别 Operation	带灯形式 Led form	触点 Contact	产品型号 Model	灯罩颜色 Top Color	外形尺寸 Overall dimension	
圆形 Circular 	指示灯 Maintained	带灯 With LED	0NO+0NC	E12-H10 ●	●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue		
方形 Square 	指示灯 Maintained	带灯 With LED	0NO+0NC	E12-H20 ●			
矩形 Rectangular 	指示灯 Maintained	不带灯 Without LED	0NO+0NC	E12-H30 ●			
圆形 Circular 	复位 Momentary	不带灯 Without LED	1NO+1NC	E12-A11 ●		●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue	
		带灯 With LED	1NO+1NC	E12-AL11 ●			
	自锁 Maintained	不带灯 Without LED	2NO+2NC	E12-A12 ●			
		带灯 With LED	1NO+1NC	E12-S11 ●			
		带灯 With LED	2NO+2NC	E12-S12 ●			
		带灯 With LED	1NO+1NC	E12-SL11 ●			
方形 Square 	复位 Momentary	不带灯 Without LED	1NO+1NC	E12-A21 ●	●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue		
		带灯 With LED	1NO+1NC	E12-AL21 ●			
	自锁 Maintained	带灯 With LED	2NO+2NC	E12-AL22 ●			
		不带灯 Without LED	1NO+1NC	E12-S21 ●			
		带灯 With LED	2NO+2NC	E12-S22 ●			
		带灯 With LED	1NO+1NC	E12-SL21 ●			
矩形 Rectangular 	复位 Momentary	不带灯 Without LED	1NO+1NC	E12-A31 ●	●: 灯罩颜色 Lampshade color R 红色 Red G 绿色 Green Y 黄色 Yellow W 白色 White B 蓝色 Blue		
		带灯 With LED	1NO+1NC	E12-AL31 ●			
	自锁 Maintained	带灯 With LED	2NO+2NC	E12-AL32 ●			
		不带灯 Without LED	1NO+1NC	E12-S31 ●			
		带灯 With LED	2NO+2NC	E12-S32 ●			
		带灯 With LED	1NO+1NC	E12-SL31 ●			
带灯 With LED	2NO+2NC	E12-SL32 ●					