

AD16系列信号灯 Series Indicator

寿命长, 能耗低, 体积小的LED光源信号指示灯
Long life, low energy consumption, small size LED light source signal indicator

- 灯罩采用高强度聚碳酸酯材质,具有良好的抗冲击性能
The lampshade is made of high-strength PC material with good impact resistance
- 内置螺钉接线, 更加安全、方便
Built-in screw wiring, safer and more convenient
- 产品多用于电力、机床、纺织、电讯等设备
Mostly used in power, machine tools, textiles, telecommunications and other equipment



Ad系列信号灯型号说明 AD series indicator model description

AD16-★■□△▲●◎

对应符号 Symbol	符号名称 Symbol name	具体说明 Specify
★	安装孔尺寸 Cutout dimension	16: Φ16mm / 22: Φ22mm / 22mm产品通用于25mm安装孔 16: Φ16mm / 22: Φ22mm / 22mm products are compatible with 25mm mounting holes
■	辅助代号 Auxiliary code	(C、E……表示同一颈部尺寸、形状的不同类型) S:单色闪光灯/SS:双色闪光灯 (C、E…… represents different types of shapes) S: Monochrome flash/SS: Dual color flash
□	产品结构 Structure	S:超短型结构 / 无字母为标准型结构 S: Ultra short structure/no letters as standard structure
△	颜色 Color	R:红 / G:绿 / Y:黄 / B:蓝 / W:白 R:Red / G:Green / Y:Yellow / B:Blue / W:White
▲	工作电压 Operating voltage	参照产品图例 Refer to the product legend
●	降压型式 Buck type	K:抗干扰 / F:电容柜泄放专用 / 无字母代表普通型 K: Anti-interference / F: Capacitor cabinet discharge only / No letter means normal type
◎	防护等级 IP class	P: IP65 / 无字母代表IP40 P: IP65 / No letter means IP40

性能特征 Performance characteristic

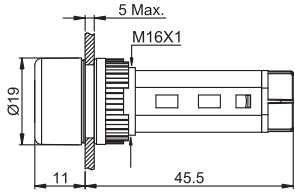
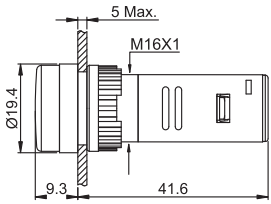
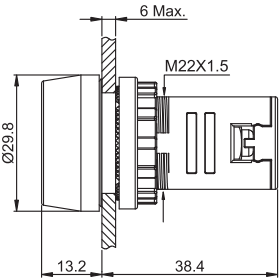
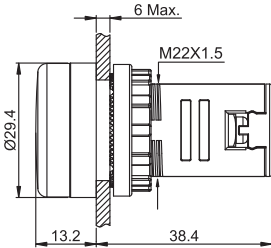
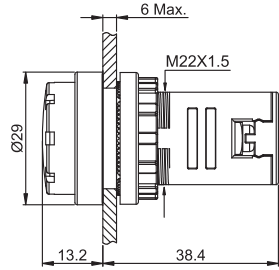
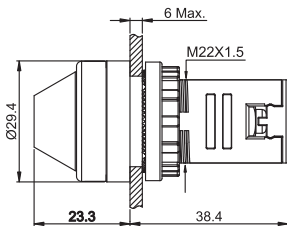
工作环境温度 Operating temperature	-25℃~+55℃,海拔 <2000m -25℃~+55℃,Altitude <2000m	工作环境湿度 Operating humidity	35~85% RH(无结露 Non condensing)
连续工作寿命 Electrical life	≥40000h(额定电压) ≥40000h(Rated operating voltage)	允许瞬间电压波动 Permitted voltage	AC 20%, DC 10%
工频耐压 Power frequency withstand voltage	2.5kV(AC 50Hz), 1min	电流消耗 Current consumption	≤20mA
耐振动性 Vibration resistance	5~50Hz, 振幅1.2mm 5~50Hz,Amplitude 1.2mm	光亮度 Brightness	≥100cd/m²
使用频率(AC) Usage frequency (AC)	50~60Hz	绝缘电阻 Insulation resistance	≥100MΩ (500VDC)
基座材料 Base material	PA(V0)	相比漏电起痕指数 Comparative tracking Index	CTI≥100, 阻燃 CTI≥100, Flame retardant

内部接线示意图 Internal wiring diagram

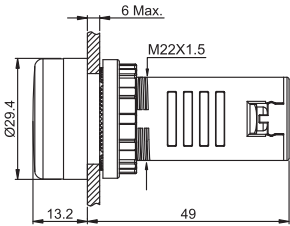
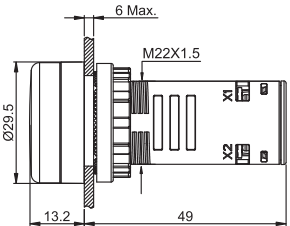
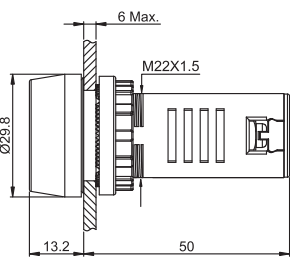
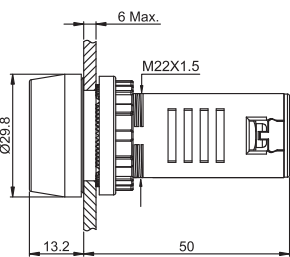
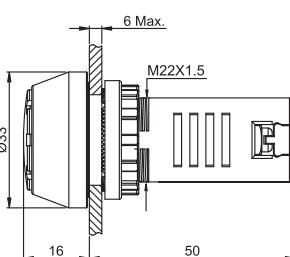
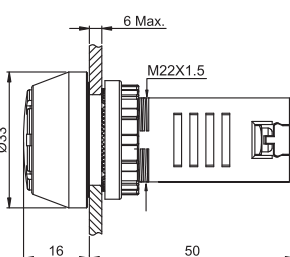
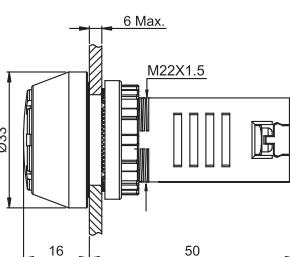
	AC/DC型单色灯 AC/DC single color lamp	AC型单色灯 AC single color lamp	AC/DC型双色灯 AC/DC dual color lamp	AC型双色灯 AC dual color lamp
普通型 Normal				
抗干扰型 Anti-interference				

注: 1. AC/DC型信号指示灯为电阻降压式, AC型信号指示灯为电容降压式。 2. 110V及以上电压时, AC/DC型信号指示灯的外壳温升高于AC型信号指示灯。
Note: 1. The AC/DC type signal indicator is a resistor-type voltage dropper, while the AC type signal indicator is a capacitor-type voltage dropper.
2. When the voltage is 110V or above, the shell temperature rise of the AC/DC type signal indicator is higher than that of the AC type signal indicator.

产品图例 Product legend

外形 Appearance	型号 Model	颜色 Color	工作电压 Operating voltage	外形尺寸图 Dimensions	备注 Remark
 Φ 16 C型 Φ 16 C Type	AD16-16C/Δ/▲	R G Y B W	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V AC/DC 380V AC 110V AC 220V AC 380V	 Ø19 11 45.5 5 Max. M16X1	● 螺钉式接线 Screw connection
 Φ 16 E型 Φ 16 E Type	AD16-16E/Δ/▲			 Ø19.4 9.3 41.6 5 Max. M16X1	● 螺钉式接线 Screw connection ● 防触电结构 Anti-electric shock
 Φ 22 BS型(超短型) Φ 22 BS Type(Ultra short)	AD16-22BS/Δ/▲			 Ø29.8 13.2 38.4 6 Max. M22X1.5	● 螺钉式接线 Screw connection ● 防触电结构 Anti-electric shock
 Φ 22 DS(超短型) Φ 22 DS Type(Ultra short)	AD16-22DS/Δ/▲/○			 Ø29.4 13.2 38.4 6 Max. M22X1.5	● 螺钉式接线 Screw connection ● 防触电结构 Anti-electric shock ● IP40、IP65
 Φ 22 ES型(超短型) Φ 22 ES Type(Ultra short)	AD16-22ES/Δ/▲			 Ø29 13.2 38.4 6 Max. M22X1.5	● 螺钉式接线 Screw connection ● 防触电结构 Anti-electric shock
 Φ 22 HS型(超短型) Φ 22 HS Type(Ultra short)	AD16-22HS/Δ/▲			 Ø29.4 23.3 38.4 6 Max. M22X1.5	● 螺钉式接线 Screw connection ● 防触电结构 Anti-electric shock ● 电容柜泄放 电专用 Capacitor cabinet discharge dedicated

产品图例 Product legend

外形 Appearance	型号 Model	颜色 Color	工作电压 Operating voltage	外形尺寸图 Dimensions	备注 Remark
 Φ22D型 Φ22 D Type	AD16-22D/△/▲/●/○	R G Y B W	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V AC/DC 380V AC 110V AC 220V AC 380V		螺钉式接线 Screw connection 防触电结构 Anti-electric shock 抗干扰可定制 Anti-interference made to order IP40、IP65
 Φ22D型(双色灯) Φ22 D Type(Dual color light)	AD16-22D/RG/▲/●/○	R G	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V AC/DC 380V		螺钉式接线 Screw connection 防触电结构 Anti-electric shock 抗干扰可定制 Anti-interference made to order IP40、IP65
 Φ22闪光灯 Φ22 Flash	AD16-22S/△/▲	单色闪光 Single flash	AC/DC 12V AC/DC 24V AC 110V AC 220V AC 380V		螺钉式接线 Screw connection 防触电结构 Anti-electric shock 抗干扰可定制 Anti-interference made to order IP40、IP65
 Φ22闪光灯 Φ22 Flash	AD16-22SS/RG/▲	R G 双色闪光 Dual flash			
 Φ22金属圈闪光灯 Φ22 Metal flash	AD16-22GQ-D/△/▲	单色带灯 Single light			
 Φ22金属圈闪光灯 Φ22 Metal flash	AD16-22GQ-S/△/▲	单色闪光 Single flash			
 Φ22金属圈闪光灯 Φ22 Metal flash	AD16-22GQ-SS/RG/▲	R G 双色闪光 Dual flash			

使用注意事项 Precautions for use

- AC型信号灯的使用频率为50~60Hz,在其他频率段使用会损坏信号灯。
The operating frequency of AC indicator lights is 50~60Hz. Using them in other frequency ranges will damage the indicator lights.
- 抗干扰信号灯的启动电压为35~45V,如需更高的启动电压请另说明;建议启动电压不要太高,如干扰电压过高,请检查布线情况。
The starting voltage of the anti-interference signal light is 35~45V.If the interference voltage is too high, please check the wiring.
- AC型双色灯不允许接线错误,否则会损坏信号指示灯。
Incorrect wiring of AC type dual color lamps will damage the signal indicator lights.
- 请尽量避免焊接,建议采用通用插头(2.5 0.8mm)连接,并套上保护套;如需焊接请用30W以下电烙铁在3秒以内完成焊接,且不要向端子施加外力。
Please use a soldering iron of 30W or less to complete the soldering within 3 seconds, and do not apply external force to the terminals.