

## AD16 Buzzer 22mm & 30mm Siemens APT

### Introduction

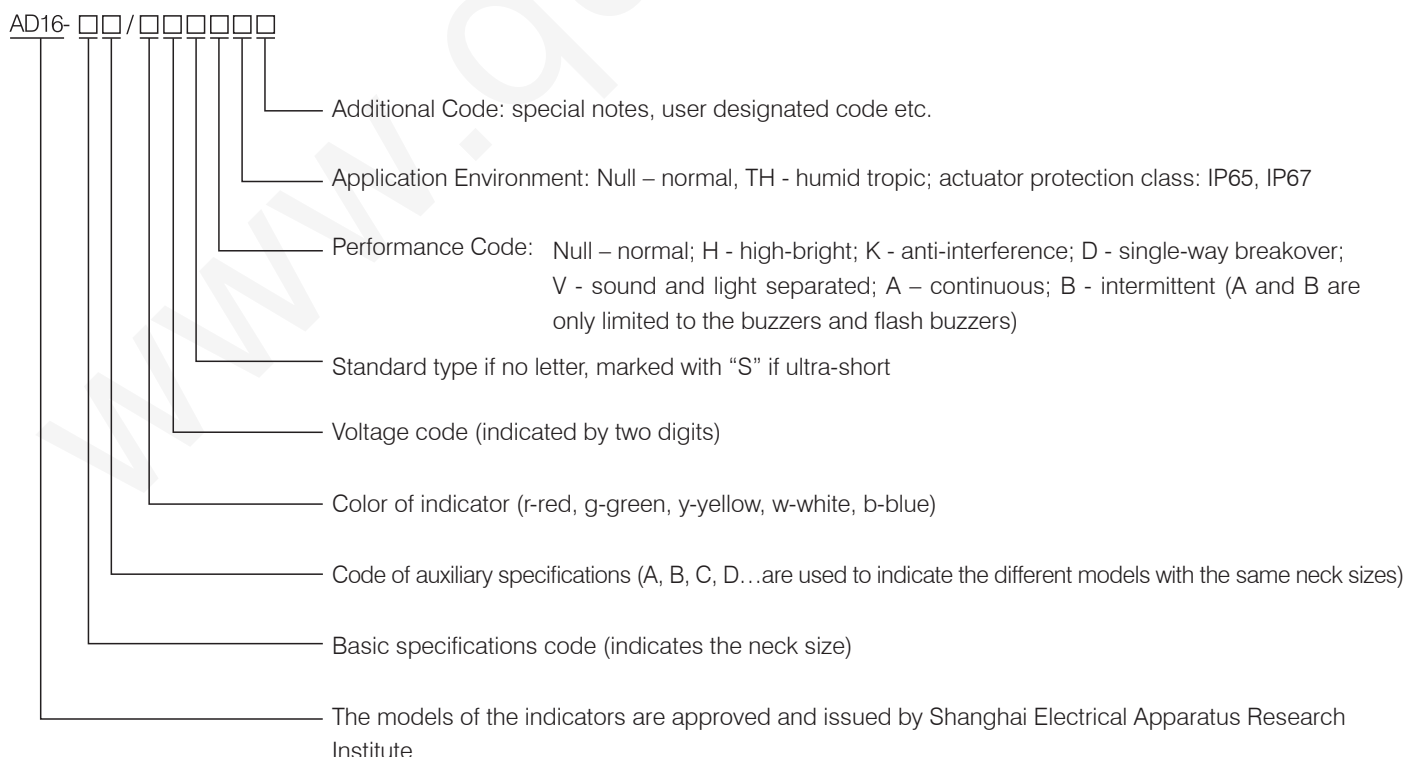
AD16 series indicators have all applied the high-bright pure LED lighting chips as the light source with long service life, low energy consumption, small volume and light weight. They are the upgraded products of various XD type incandescent lights and neon light indicator. We have successively launched AD16-22 type, AD16-16A&B type, AD16-12A type, AD16-35 type indicators, which have been well accepted by the users for their features such as high brightness, excellent reliability, good visual appearance and delicate manufacturing. To satisfy the continuously increasing requirements of the users for the quality and beauty, we also have developed 22 series products such as AD16-22B, C, D, E, H, P (plane type), and I (outdoor type) type double-color lights, position indicators, flash buzzers and ultra-short indicators etc. as well as 16 series products such as AD16-16C, CF, CJ, G (outdoor type) type indicators lights as well as AD-16M, MF and MJ type buzzers. Moreover, the visual design with the style same as that of LA39 series Pushbutton is applied. The various international standard symbols or custom-made symbols can be printed in the lampshades. The lampshades are made of high-strength polycarbonate with good impact resistance performance. The built-in screw type wiring is safer and more convenient. All improvements enable your option more convenient and design more complete.



### Application

AD16 series indicators are applicable to the circuits of the equipment for the power, telecommunications, machine tools, marine, textile, printing and mining machinery as the instruction, warning, and accident signals as well as other indication signals.

### Model and Meaning



## Siemens APT Buzzer 22mm & 30mm AD16 Series

### Applicable Environment

1. Ambient temperature:  $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
2. Relative air humidity:  $\leq 98\%$
3. Work normally at the vibration frequency of 2-80Hz and accelerated speed of 0.7g;
4. The pollution class is III and installation category is III;
5. Those with "TH" sign can work under the humid tropic environment.

### Main Technical Indexes

1. Rated impulse withstand voltage  $U_{imp}$ : 2.5KV (AC valid value), 1min.
2. Insulation resistance  $\geq 100\text{M}\Omega$ .
3. The allowable voltage fluctuation of AC indicator is  $\pm 20\%$
4. Continuous work life  $\geq 30,000\text{H}$
5. Brightness  $\geq 100\text{cd/m}^2$
6. Comparative tracking index (CTI)  $\geq 175$
7. Actuator protection class: IP54 for indicators. IP65 and IP67 can be customized; IP31 for buzzers
8. Application frequency AC50~60Hz

### Voltages, Currents and Codes

Unit: mA


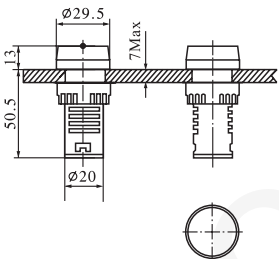

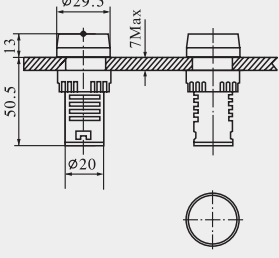

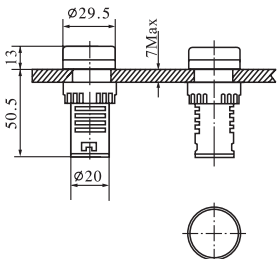

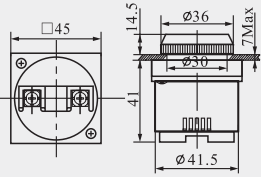
Voltage Code	Power Supply	Voltage	Current
21	AC.DC	6V	15 (g、w) 25 (b) 35 (r、y)
22		12V	15 (g、w) 25 (b) 35 (r、y)
23		24V	15
24		36V	15
25		48V	15
26		110V	15
27		127V	15
28	AC.DC	220V	10
29	FD	380V	10
30		500V	8
31	AC	220V	15
32		380V	18

### Description:

"FD" in the column of power supply indicates the discharge lights that can be installed in the capacitor cabinet.

## 22mm 30mm AD16 Series Buzzer/Flash Light Model Selection

### Buzzer & Flash Light Model Selection

Name	Type	Model	Color	Lamp Voltage	Appearance dimension	Remarks
Buzzer		AD16-22M/k■	black-k			The buzzers intermittently ring or flash with the sound volume of 10cm/80dB and current of 15-20mA.
Flash Buzzer		AD16-22SM/r■	red-r	22-AC.DC 12V 23-AC.DC 24V 24-AC.DC 36V 25-AC.DC 48V 26-AC.DC 110V 27-AC.DC 127V 28-AC.DC 220V 31-AC 220V 32-AC 380V		The buzzers intermittently ring or flash with the sound volume of 10cm/80dB and current of 15-20mA.
Flash Indicator		AD16-22S/r■	red-r green-g yellow-y white-w blue-b			
Ø30 Buzzer		AD16-30M/w■	white-w			The sound volume is 10cm/100dB and the current is 15~20mA. It rings intermittently.

### Description:

■ in the column of model will be filled with color, ■ will be filled with voltage class code.