

AD22 Indicator Lamp Series

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AD22
Series

Brief Introduction



AD22(LED) series of indicator is equally used LED shining chip as light source. Because of long life, low consumption, small volume and light weight, it is a product replaced the older kind of incandescent lamp and indicator of neon lamp by new ones. AD22 indicators are produced by our factory enjoying following characters: high brightness, good reliability, beautiful shape and careful manufactured. Products are well praised by lots of clients. In order to fit in with top quality and aesthetic demand of user, we develop AD22-22B, C, D, E, G, H, double-color lamp, position indicator, shining buzzer and mini short indicator, as well as design shape of AD22-22G/22GS series button and it is possible to meet all kinds of international standard Lampshade, which is made of polycarbonate with high intension and enjoying better anti-surge performance, and bolt-type connector designed will make it safer and more convenient. All improvement will be provided to make your choice more convenient and your design perfect.

Use

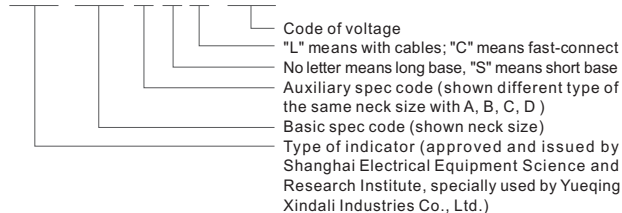


AD22 series of indicators are used as indicating, foretelling, accident and other signals in the lines of equipment (such as electrical power, telecommunication, machine tool, watercraft, textile, printing and mine machinery, etc).

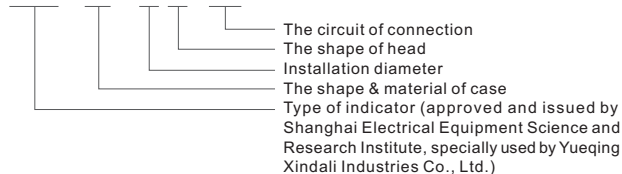
Type and meaning



AD22-□□□□□/□□



AD22 □ - □ □ □



Applicable environment



- (1) Surrounding temperature: -25°C~+55°C.
- (2) Relative humidity: ≤98%.
- (3) It can normally work under the conditions of 2-80Hz vibration frequency and 0.7g/h accelerated speed.
- (4) Pollution grade: III; Installed sort: III.
- (5) It is possible to work under the moist tropical environment if there is a "TH" sign.

Main technical target

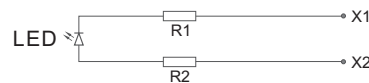


- (1) Voltage of working frequency: 2.5kV (AC valid value), 1min.
- (2) Insulated resistance ≥2MΩ
- (3) Voltage wave allowed by AC indicator ±20%
- (4) Continual working life ≥30000h
- (5) Brightness ≥60cd/m²
- (6) Index of leakage CT1 ≥100
- (7) Protection grade is IP40, and it is possible to be made to up to IP67
- (8) Using frequency: AC50 ~ 60 Hz

Circuit Introduction

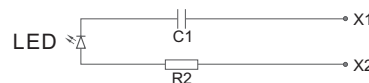


- (1) AC and DC indicator (AC/DC6V ~ 220V)

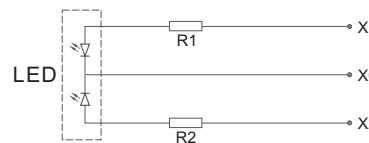


Note: It should be considered radiating condition When DC is up to 110V, 220V and 380V, for there is a great of heat.

- (2) AC indicator (AC 220V, AC380V)



- (3) Return of double-color indicator (DC, Ac110 ~ 220V)




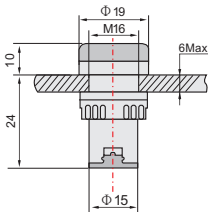

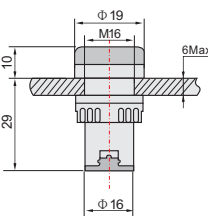

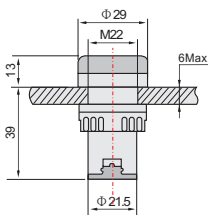

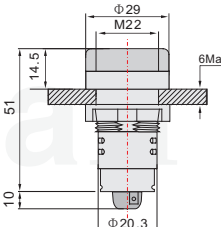

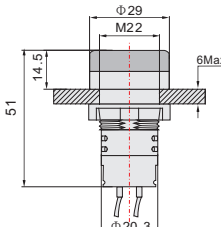

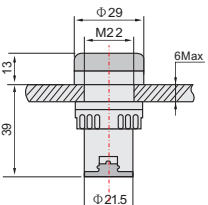
Note: When put through X0 and X1, lamp is shining green, when done X0 and X2, lamp is shining red.

Contrast list of voltage, current



Supply Voltage	AC.DC							DC	FD			AC	
Voltage	6V	12V	24V	36V	48V	110V	127V	220V	380V	500V	220V	380V	
Current	140	72	18~72	18	18	16	16	12	12	12	16	17	


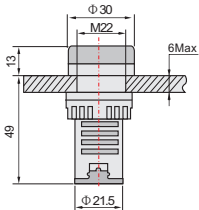

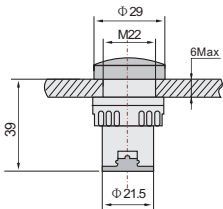

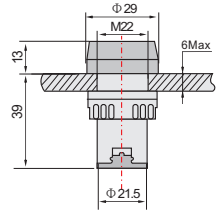

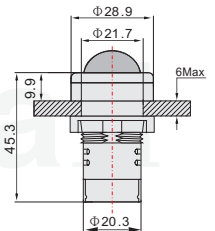

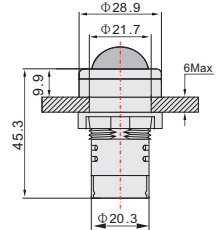
Note: "FD" in the list means a discharging lamp can be installed on the cupboard of capacitor. PG denotes pure green, PB denotes pure blue, PW denotes pure white

Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC 127V AC 220V AC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Green/PG <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Pure Blue <input type="radio"/> White/PW	AD22-16DS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Green/PG <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Pure Blue <input type="radio"/> White/PW	AD22-16D	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Green <input checked="" type="radio"/> Pure Green <input checked="" type="radio"/> Pure Blue <input type="radio"/> Pure White	AD22-22DS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Green/PG <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Pure Blue <input type="radio"/> White/PW	AD22-22DSC	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Green <input checked="" type="radio"/> Pure Green <input checked="" type="radio"/> Pure Blue <input type="radio"/> Pure White	AD22-22DSL	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<input checked="" type="radio"/> Red <input checked="" type="radio"/> Green/PG <input checked="" type="radio"/> Yellow <input checked="" type="radio"/> Pure Blue <input type="radio"/> White/PW	AD22-22DSN	

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Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22-22D	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22-22CS AD22-22CSL AD22-22CSC	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22-22BS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<ul style="list-style-type: none"> ● Red ● Yellow ● Green ● Pure Green ● Pure Blue ○ Pure White 	AD22-22AS	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	<ul style="list-style-type: none"> ● Red ● Yellow ● Green ● Pure Green ● Pure Blue ○ Pure White 	AD22-22ASL AD22-22ASC	



Indicator wrench
Φ16







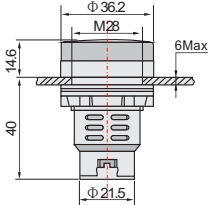






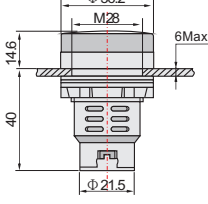






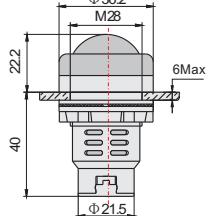



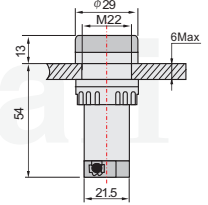


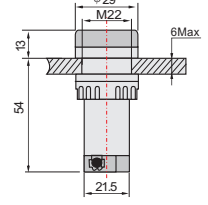



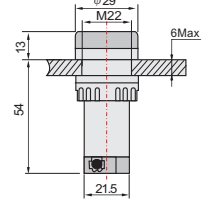
AD22E-PH16



Indicator wrench
Φ22

AD22E-PH22

AD22 Series

Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none">  Red  Green/PG  Yellow  Pure Blue  White/PW 	AD22-30DS AD22-30DSL AD22-30DSC	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none">  Red  Green/PG  Yellow  Pure Blue  White/PW 	AD22-30CS AD22-30CSL AD22-30CSC	
	Protected LED Indicator	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none">  Red  Green/PG  Yellow  Pure Blue  White/PW 	AD22-30AS AD22-30ASL AD22-30ASC	
	Protected LED Indicator	110V AC/DC 127V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none">  Red&Green  Red&Pure Blue 	AD22-22DRG AD22-22DRB	
	Protected LED Indicator	110V AC/DC 127V AC/DC 220V AC/DC 380V AC		AD22-22DRS	
	Protected LED Indicator	110V AC/DC 127V AC/DC 220V AC/DC 380V AC	<ul style="list-style-type: none">   	AD22-22DRY AD22-22DRE	



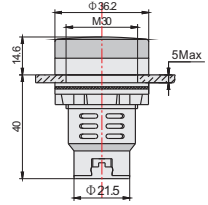


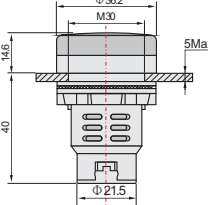






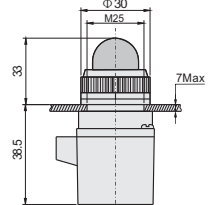






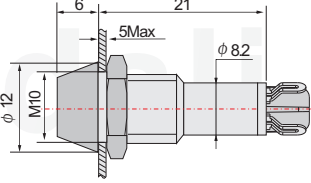






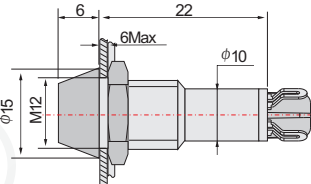






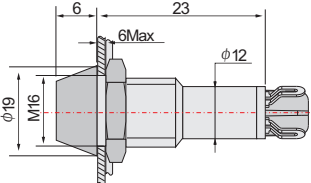
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Indicator	Description	Voltage	Color	Type	Contour
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Red ● Black	AD22-16MSD AD22-16MFB	
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Black	AD22-22MFD	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Red	AD22-22MSD	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Red	AD22-22MSB	
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Black	AD22-22MFB	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC	● Red ● Black ● Red ● Black	AD22-22MSN AD22-22MFN AD22-22MSN/H AD22-22MFN/H	

AD22 Series


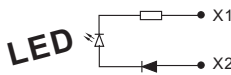
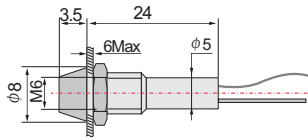


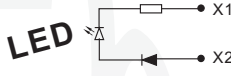
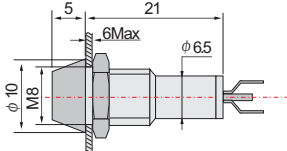


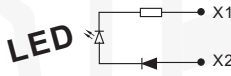
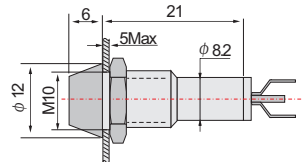


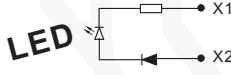
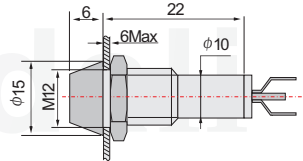


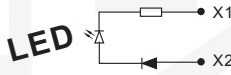
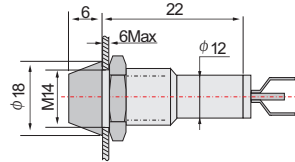


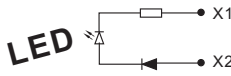
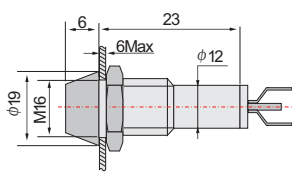
Indicator	Description	Voltage	Color	Type	Contour
	Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 380V AC	 Black	AD22-30MFD	
	Protected LED Indicator Buzzer	24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 127V AC/DC 220V AC/DC 380V AC	 Red	AD22-30MSD	
	Incandescent lamp	110~130V AC 220~240V AC 380V AC	 Red  Green  Yellow  Blue  White	AD22-CA25 (AD22-PR25) AD22-CA30 (AD22-PR30)	
		6V~220V AC/DC	 Red&Green  Yellow&Green  Red&Pure Blue  Yellow&Pure Blue	AD22C-10TE AD22C-10TE/L	
		6V~220V AC/DC	 Red&Green  Yellow&Green  Red&Pure Blue  Yellow&Pure Blue	AD22C-12TE AD22C-12TE/L	
		6V~220V AC/DC	 Red&Green  Yellow&Green  Red&Pure Blue  Yellow&Pure Blue	AD22C-14TE AD22C-16TE AD22C-14TE/L AD22C-16TE/L	


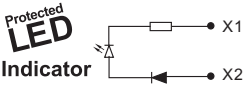
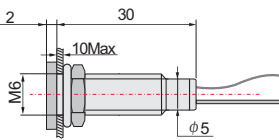


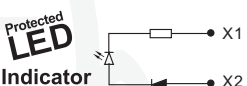
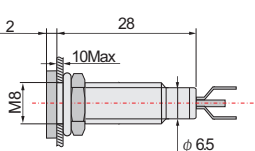


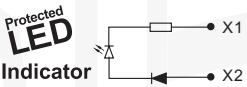
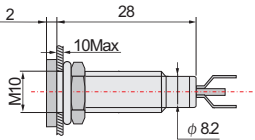


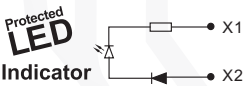
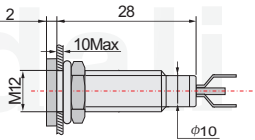


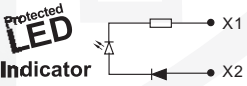
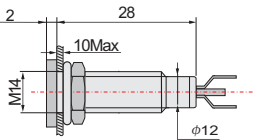


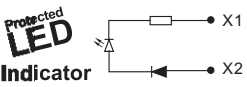
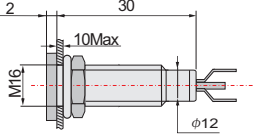
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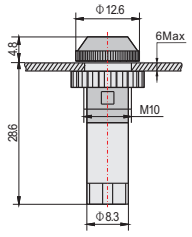


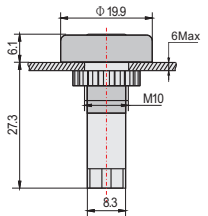


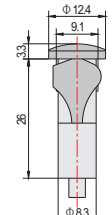


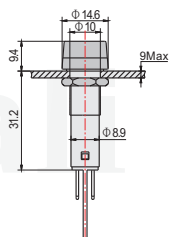


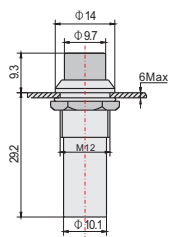


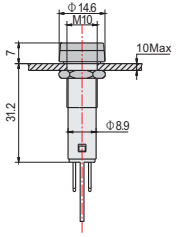
Indicator	Description	Voltage	Color	Contour	
 AD22C-6T		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 		
 AD22C-8T	 AD22C-8T/L		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-10T	 AD22C-10T/L		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-12T	 AD22C-12T/L		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-14T	 AD22C-14T/L		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-16T	 AD22C-16T/L		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	

Indicator	Description	Voltage	Color	Contour	
 AD22C-6D		AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 		
 AD22C-8D			AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-10D			AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-12D			AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-14D			AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	
 AD22C-16D			AC/DC 6V 12V 24V 36V 48V 110V 127V 220V	<ul style="list-style-type: none"> ● Red ● Pure Green ● Yellow ● Pure Blue ○ White/PW 	








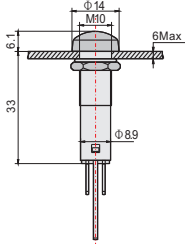







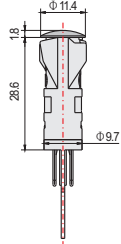







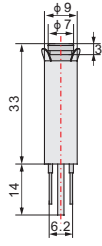







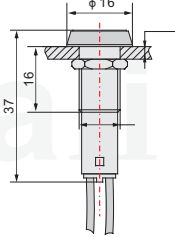







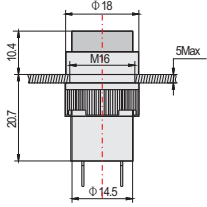







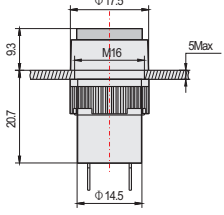
AD22 Indicator Lamp Series



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Indicator	Description	Voltage	Color	Type	Contour
 AD22E-005	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-005	
 AD22E-006	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-006	
 AD22E-009/Φ 10	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-009	
 AD22E-012	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-012	
 AD22E-013	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-013	
 AD22E-015	Neon 	220~240V AC	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22E-015	

AD22 Series

Indicator	Description	Voltage	Color	Type	Contour
 AD22E-016	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-016	
 AD22E-017	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-017	
 AD22E-018	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-018	
 AD22E-019L	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-019L	
 AD22E-16DS	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-8DS AD22E-10DS AD22E-12DS AD22E-16DS	
 AD22E-16FS	Neon 	220~240V AC	<ul style="list-style-type: none">  Red  Green  Yellow  Pure Blue  White 	AD22E-16FS	

AD22 Indicator Lamp Series

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AD22
Series

LED and Neon lamp pearl series

Application

It applies to direct signal lamp, premonition signal, accident signal and other direct signal of electrical circuit in AC220V, 50~60Hz, direct current 220V and electric equipment.

Performance index: working frequency 3000V/min, allowed voltage fluctuate $\pm 10\%$

Continue-work service life: 30000hours

Height above sea level $\leq 2000\text{m}$


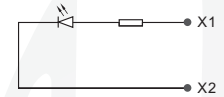
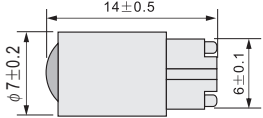

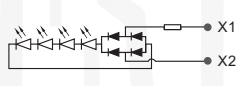
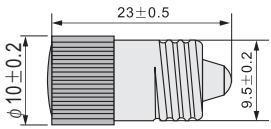

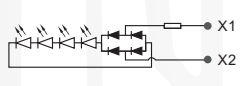
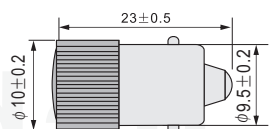

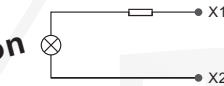
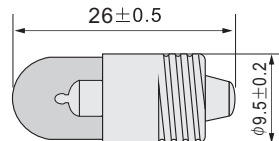

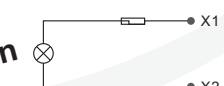
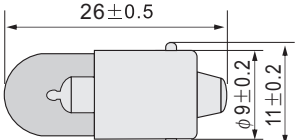
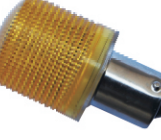
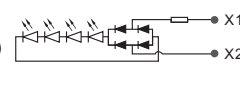
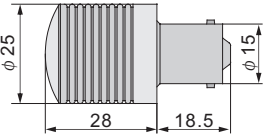
Protection grade: Ip55

Using environment: surrounding temperature $-25^{\circ}\text{C}\sim+55^{\circ}\text{C}$

Relative humidity $\leq 85\%$

Installation sort: III

Characteristic : The LED shiner is of high brightness. The illumination form is of diode and incandescence lamp, enjoying long service life.


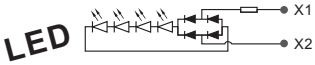
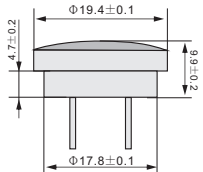

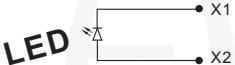
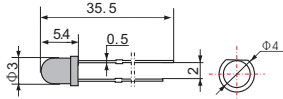

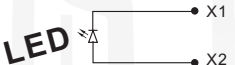
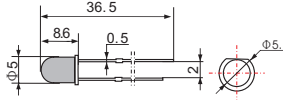
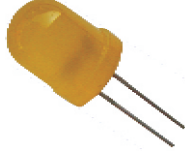
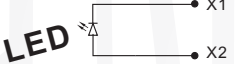
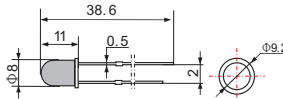

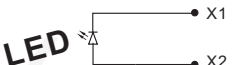
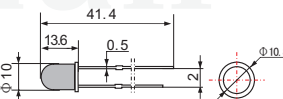

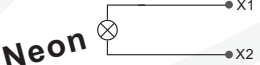
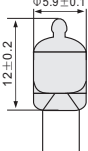

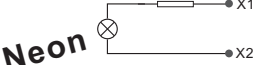
Indicator	Description	Voltage	Color	Type	Contour
 AD22B-S02	LED 	AC/DC 24V 220~240V	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22B-S02	
 AD22B-E02	LED 	AC/DC 24V 220~240V	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22B-E02	
 AD22B-S06	LED 	AC/DC 24V 220~240V	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22B-S06	
 AD22B-E05	Neon 	110~130V 220~240V	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22B-E05	
 AD22B-S08	Neon 	110~130V 220~240V	<ul style="list-style-type: none"> ● Red ● Green ● Yellow ● Pure Blue ○ White 	AD22B-S08	
 AD22B-S09	LED 	AC/DC 24V 220~240V	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ○ White/PW 	AD22B-S09	



AD22 Indicator Lamp Series

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AD22 Series

Indicator	Description	Color	Type	Contour
 AD22B-CP22/R	LED 	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ● White/PW 	AD22B-CP22/R	
 AD22B-L05	LED 	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ● White/PW 	AD22B-L05	
 AD22B-L06	LED 	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ● White/PW 	AD22B-L06	
 AD22B-L07	LED 	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ● White/PW 	AD22B-L07	
 AD22B-L08	LED 	<ul style="list-style-type: none"> ● Red ● Green/PG ● Yellow ● Pure Blue ● White/PW 	AD22B-L08	
 AD22B-N02	Neon 	<ul style="list-style-type: none"> ● Red ● Green 	AD22B-N02	
 AD22B-N03	Neon 	<ul style="list-style-type: none"> ● Red ● Green 	AD22B-N03	