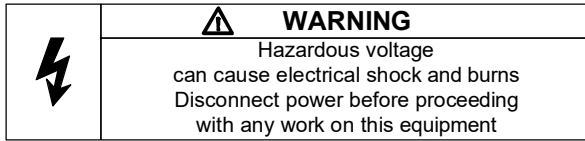


## Instructions

Before installing the device, please read the instructions.



## Summary

### Main application

AD16-22D series (SW) Indicator is suitable for 《GD22 Guidelines for Type Approval Test of Electric and Electronic Products》 1.3.2 class B environment, and a optical signal for indicating occasions.

### General product information

Model specification

AD 16 - 22 D □ / □ □ □ □ □  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① The Indicator type
- ② The design of serial number
- ③ Basic description code, hole size is  $\varnothing 22\text{mm}$
- ④ Shape feature and function code, the lampshade and shell have the same diameter
- ⑤ Display symbolic code (Table 2)
- ⑥ Colour code  
r(red) g(green) y(yellow) b(blue) w(white) o(orange)
- ⑦ Voltage code (Table 1)
- ⑧ Feature code: Indicator shell length code. No letter is the standard type, marked "S" is the short shell (AC/DC 220 V and above voltage can't produce the "S" type)
- ⑨ Head protection grade :IP65
- ⑩ The special product code:"SW" used for ship

Table 1 Voltage code

Voltage code	Voltage	Voltage code	Voltage
15	AC/DC 15 V	30	AC/DC 500 V
16	AC/DC 30 V	31	AC 220 V
17	AC/DC 63 V	32	AC 380 V
18	AC/DC 75 V	33	AC/DC 270 V
20	AC/DC 5 V	34	AC/DC 400 V
21	AC/DC 6 V	35	AC/DC 440 V
22	AC/DC 12 V	36	AC/DC 150 V
23	AC/DC 24 V	37	AC 270 V
24	AC/DC 36 V	38	AC 440 V
25	AC/DC 48 V	39	AC 500 V
26	AC/DC 110 V	40	AC 230 V
27	AC/DC 127 V	41	AC 240 V
28	AC/DC 220 V	42	AC 250 V
29	AC/DC 380 V		

Table 2 Display code

Code	Unmarked	Sxyz	S99
Symbol content	No symbol	Standard symbol	A symbol according to customer requirement

## Technical Characteristics

### Parameters

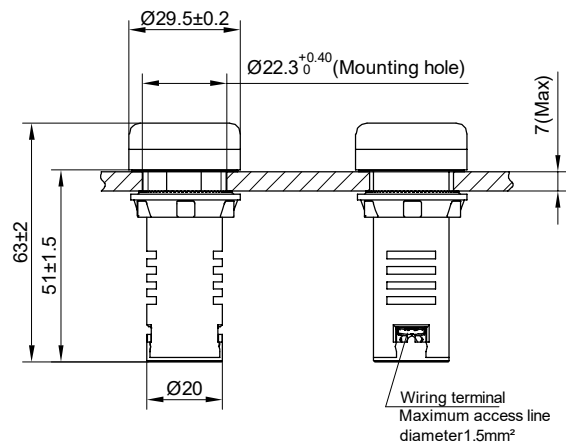
- 1) Rated insulation voltage( $U_i$ ): 500 V
- 2) Power frequency withstand voltage: AC 1890 V 50Hz 1 min
- 3) Consecutive working life :  $\geq 30000$  h
- 4) Insulation resistance :  $\geq 100\text{M}\Omega$
- 5) Voltage range :  $\pm 20\%$  of nominal voltage
- 6) Brightness :  $\geq 100\text{cd/m}^2$

### Operation condition

《GD22 Guidelines for Type Approval Test of Electric and Electronic Products》 1.3.2 class B environment

- 1) Environment temperature :  $-25^\circ\text{C}$  to  $+55^\circ\text{C}$
- 2) Relative air humidity  $\leq 98\%$
- 3) Shock and vibration :  
Shock : The speak acceleration  $15\text{gn}$ , pulse duration 11ms below can work normally  
Vibration : The vibration frequency range 10Hz~55Hz, amplitude 0.5 mm below can work normally
- 4) Installation category : III
- 5) Pollution class : 3
- 6) Head Protection Level : IP65

## Installation dimension



Item	Material	The largest installation torque	Remarks
Mounting nut	PC	5.0 N·m	Tr22x1.5-7h
Wiring terminal	Contact piece	Copper	1.1 N·m M3.5
	Combination screw	Copper	
	Touchpad	Copper	

## Installation caution

- 1) We need to check whether the type meet selection requirement.
- 2) We must turn off power before installation and recondition.
- 3) This product isn't suitable for parallel operation with inductive load directly, such as relay and contact;
- 4) Choose the correct operational voltage
- 5) Avoid chemicals to touch product.
- 6) If the product is stored more than three months, you need to light up and light-time is greater than 10 seconds before using.