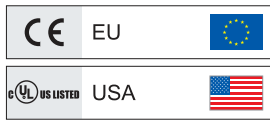


## Indicator Light, ND16



### 1. General Information

Degree of protection: IP65;  
Standard: IEC/EN60947-5-1

### 2. Working & Mounting Conditions

- 2.1 Ambient temperature is  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , the average temperature during 24 hours couldn't exceed  $+35^{\circ}\text{C}$ .
- 2.2 Altitude:  $\leq 2000\text{m}$ .
- 2.3 Atmosphere condition:  
Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is  $+40^{\circ}\text{C}$ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches  $+20^{\circ}\text{C}$ , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.
- 2.4 Pollution degree: 3
- 2.5 Overvoltage category: III

### 3. Technical Data



Basic parameters

Rated operational voltage $U_e$ (V)		Rated operational current (mA)	Service life (h)	Brightness ( $\text{cd}/\text{m}^2$ )	Basic color
AC	AC/DC				
400	400	$I_e \leq 20$	$\geq 30000$	$\geq 60$	
230	230				
110	110				
-	48				
-	24				
-	12				
-	36				
-	6				



Note: For AC power supply, the limit voltage range is  $0.85U_e \sim 1.1U_e$  between terminals.

**4. ND16 Series Indicator**



★ Flat Platform-Lampshape (Resistance type)

ND16-22A/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V, 400V	ND16-22A/2 (W)	○
		ND16-22A/2 (G)	●
		ND16-22A/2 (R)	●
		ND16-22A/2 (Y)	●
		ND16-22A/2 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22A/2 (W)-F	○
		ND16-22A/2 (G)-F	●
		ND16-22A/2 (R)-F	●
		ND16-22A/2 (Y)-F	●
		ND16-22A/2 (B)-F	●
			



★ Flat Platform-Lampshape (Resistance type)

ND16-22AS/2	Lamp-Voltage	Model	Color	
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22AS/2 (W)	○	
		ND16-22AS/2 (G)	●	
		ND16-22AS/2 (R)	●	
		ND16-22AS/2 (Y)	●	
		ND16-22AS/2 (B)	●	
				

★ Flat Platform-Lampshape (Capacitor type)

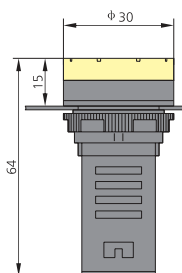
ND16-22A/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22A/4 (W)	○
		ND16-22A/4 (G)	●
		ND16-22A/4 (R)	●
		ND16-22A/4 (Y)	●
		ND16-22A/4 (B)	●
			

★ Flat Platform-Lampshape (Capacitor type)

ND16-22AS/4	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22AS/4 (W)	○
		ND16-22AS/4 (G)	●
		ND16-22AS/4 (R)	●
		ND16-22AS/4 (Y)	●
		ND16-22AS/4 (B)	●
			

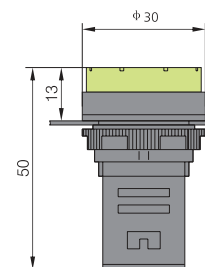
Dimensions (mm)

ND16-22A/□





Dimensions (mm)



ND16-22AS/□





★ Flat Round Platform-Lampshade (Resistance type)

ND16-22B/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V, 400V	ND16-22B/2 (W)	○
		ND16-22B/2 (G)	●
		ND16-22B/2 (R)	●
		ND16-22B/2 (Y)	●
		ND16-22B/2 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22B/2 (W)-F	○
		ND16-22B/2 (G)-F	●
		ND16-22B/2 (R)-F	●
		ND16-22B/2 (Y)-F	●
		ND16-22B/2 (B)-F	●
			



★ Compacted Flat Round Platform-Lampshade (Resistance type)

ND16-22BS/2	Lamp-Voltage	Model	Color		
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22BS/2 (W)	○		
		ND16-22BS/2 (G)	●		
		ND16-22BS/2 (R)	●		
		ND16-22BS/2 (Y)	●		
		ND16-22BS/2 (BS)	●		
					

★ Flat Round Platform-Lampshade (Capacitance type)

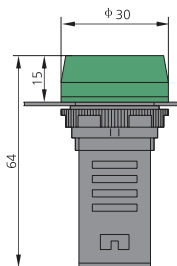
ND16-22B/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22B/4 (W)	○
		ND16-22B/4 (G)	●
		ND16-22B/4 (R)	●
		ND16-22B/4 (Y)	●
		ND16-22B/4 (B)	●
			

★ Compacted Flat Round Platform-Lampshade (Capacitance type)

ND16-22BS/4	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22BS/4 (W)	○
		ND16-22BS/4 (G)	●
		ND16-22BS/4 (R)	●
		ND16-22BS/4 (Y)	●
		ND16-22BS/4 (BS)	●
			

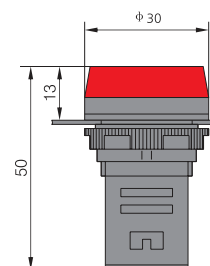
Dimensions (mm)

ND16-22B/□





Dimensions (mm)



ND16-22BS/□





★ Arc Surface ripple-Lampshape (Resistance type)

ND16-22C/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V, 400V	ND16-22C/2 (W)	○
		ND16-22C/2 (G)	●
		ND16-22C/2 (R)	●
		ND16-22C/2 (Y)	●
		ND16-22C/2 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22C/2 (W)-F	○
		ND16-22C/2 (G)-F	●
		ND16-22C/2 (R)-F	●
		ND16-22C/2 (Y)-F	●
		ND16-22C/2 (B)-F	●



★ Compacted Arc Surface ripple-Lampshape (Resistance type)

ND16-22CS/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 48V,	ND16-22CS/2 (W)	○
		ND16-22CS/2 (G)	●
		ND16-22CS/2 (R)	●
		ND16-22CS/2 (Y)	●
		ND16-22CS/2 (B)	●
		ND16-22CS/2 (W)-F	○
		ND16-22CS/2 (G)-F	●
		ND16-22CS/2 (R)-F	●
		ND16-22CS/2 (Y)-F	●
		ND16-22CS/2 (B)-F	●

★ Arc Surface ripple-Lampshape (Capacitance type)

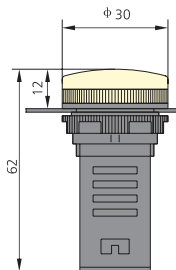
ND16-22C/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22C/4 (W)	○
		ND16-22C/4 (G)	●
		ND16-22C/4 (R)	●
		ND16-22C/4 (Y)	●
		ND16-22C/4 (B)	●
		ND16-22C/4 (W)-F	○
		ND16-22C/4 (G)-F	●
		ND16-22C/4 (R)-F	●
		ND16-22C/4 (Y)-F	●
		ND16-22C/4 (B)-F	●

★ Compacted Arc Surface ripple-Lampshape (Capacitance type)

ND16-22CS/4	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22CS/4 (W)	○
		ND16-22CS/4 (G)	●
		ND16-22CS/4 (R)	●
		ND16-22CS/4 (Y)	●
		ND16-22CS/4 (B)	●
		ND16-22CS/4 (W)-F	○
		ND16-22CS/4 (G)-F	●
		ND16-22CS/4 (R)-F	●
		ND16-22CS/4 (Y)-F	●
		ND16-22CS/4 (B)-F	●

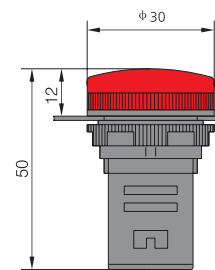
Dimensions (mm)

ND16-22C/□





Dimensions (mm)



ND16-22CS/□





★ Arc Surface Round-Lampshape (Resistance type)

ND16-22D/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V, 400V	ND16-22D/2 (W)	○
		ND16-22D/2 (G)	●
		ND16-22D/2 (R)	●
		ND16-22D/2 (Y)	●
		ND16-22D/2 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22D/2 (W)-F	○
		ND16-22D/2 (G)-F	●
		ND16-22D/2 (R)-F	●
		ND16-22D/2 (Y)-F	●
		ND16-22D/2 (B)-F	●
			



★ Compacted Arc Surface Round-Lampshape (Resistance type)

ND16-22DS/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22DS/2 (W)	○
		ND16-22DS/2 (G)	●
		ND16-22DS/2 (R)	●
		ND16-22DS/2 (Y)	●
		ND16-22DS/2 (BS)	●
			

★ Arc Surface Round-Lampshape (Capacitance type)

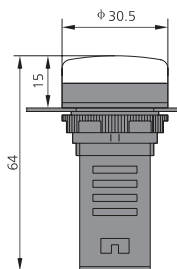
ND16-22D/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22D/4 (W)	○
		ND16-22D/4 (G)	●
		ND16-22D/4 (R)	●
		ND16-22D/4 (Y)	●
		ND16-22D/4 (B)	●
			

★ Compacted Arc Surface Round-Lampshape (Capacitance type)

ND16-22DS/4	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V	ND16-22DS/4 (W)	○
		ND16-22DS/4 (G)	●
		ND16-22DS/4 (R)	●
		ND16-22DS/4 (Y)	●
		ND16-22DS/4 (BS)	●
			

Dimensions (mm)

ND16-22D/□



Dimensions (mm)

ND16-22DS/□

