



ND16 Indicator Light

1. General

Degree of protection: IP65, IP40, IP20 (Buzzer);
Standard: IEC/EN60947-5-1



2. Operating 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

2.6 Tightening torque is $0.8 \sim 1.2\text{N}\cdot\text{m}$ for the cable terminals, and $1.5 \sim 1.8\text{N}\cdot\text{m}$ for the fixing nut. Cross section of the cable connection is $0.5 \sim 2.5\text{mm}^2$, and 8mm conductor length is needed.



3. Technical data

Basic parameters

Rated operational voltage $U_e(\text{V})$		Rated operational current (mA)	Service life(h)	Brightness (cd/m^2)	Basic color
AC	AC/DC				
400	400	$I_e \leq 20$	≥ 30000	≥ 40 $\geq 20(\text{BUZZER})$	●
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; C: IP65; K2: anti-interference

4. ND16 series indicator

★ Flat Platform-Lampshape (Resistance type)

ND16-22A/2	Lamp-Voltage	Model	Color
	LED	ND16-22A/2 ND16-22A/2K2	○ (W)
	AC/DC 6V,		● (G)
	AC/DC 12V,		● (R)
	AC/DC 24V,		● (Y)
	AC/DC 36V,		● (B)
	AC/DC 48V,		● (B)
	AC/DC 110V,		● (O)
	AC/DC 230V,		
	AC/DC 400V		

★ Flat Platform-Lampshape (Resistance type)

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

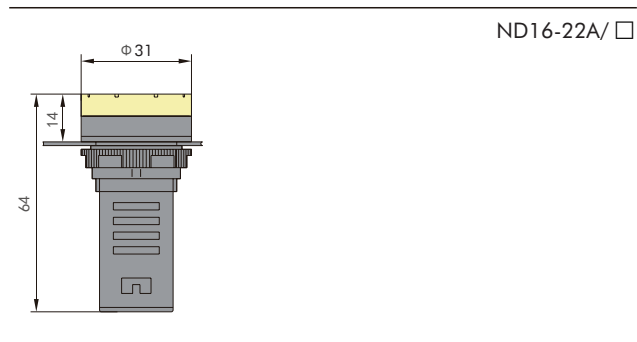
★ Flat Platform-Lampshape (Resistance type)

ND16-24A/2	Lamp-Voltage	Model	Color
	LED	ND16-22A/4 ND16-22A/4K2	○ (W)
	AC 110V,		● (G)
	AC 230V,		● (R)
	AC 400V		● (Y)
			● (B)
			● (B)
			● (O)

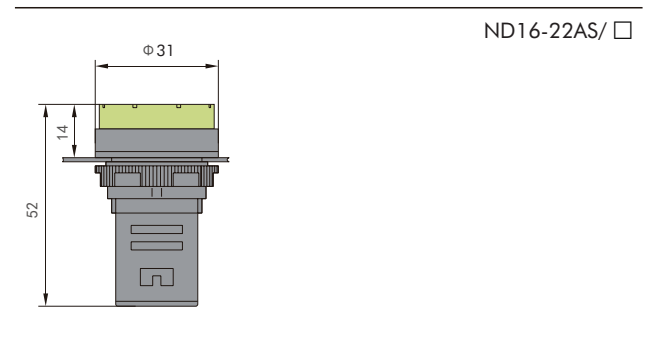
★ Flat Platform-Lampshape (Resistance type)

ND16-24AS/2	Lamp-Voltage	Model	Color
	LED	ND16-22AS/4	○ (W)
	AC 110V,		● (G)
	AC 230V,		● (R)
	AC 400V		● (Y)
			● (B)
			● (B)
			● (O)

Dimension(mm)



Dimension(mm)



★ Flat Round Platform-Lampshape (Resistance type)

ND16-22B/2	Lamp-Voltage	Model	Color
	LED		○ (W)
	AC/DC 6V,	ND16-22B/2 ND16-22B/2K2 ND16-22B/2C	● (G)
	AC/DC12V,		● (R)
	AC/DC24V,		● (Y)
	AC/DC36V,		● (B)
	AC/DC48V,		● (B)
	AC/DC110V,		● (O)
	AC/DC230V,		
	AC/DC400V		

★ Compacted Flat Round Platform-Lampshape (Resistance type)

ND16-22B/2	Lamp-Voltage	Model	Color
	LED		○ (W)
	AC/DC 6V,	ND16-22BS/2 ND16-22BS/2C	● (G)
	AC/DC12V,		● (R)
	AC/DC 24V,		● (Y)
	AC/DC36V,		● (B)
	AC/DC48V		● (O)

★ Flat Round Platform-Lampshape (Capacitance type)

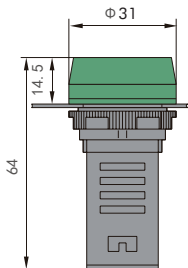
ND16-22B/4	Lamp-Voltage	Model	Color
	LED		○ (W)
	AC 110V,	ND16-22B/4 ND16-22B/4K2 ND16-22B/4C	● (G)
	AC 230V,		● (R)
	AC 400V		● (Y)
			● (B)
			● (O)

★ Compacted Flat Round Platform-Lampshape (Capacitance type)

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

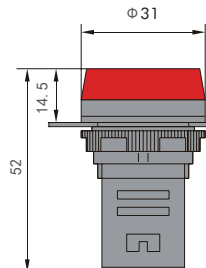
Dimension(mm)

ND16-22B/ □



Dimension(mm)

ND16-22BS/ □



★ Arc Surface ripple-Lampshape (Resistance type)

ND16-22C/2	Lamp-Voltage	Model	Color
	LED		○ (W)
	AC/DC 6V,	ND16-22C/2 ND16-22C/2K2	● (G)
	AC/DC12V,		● (R)
	AC/DC24V,		● (Y)
	AC/DC36V,		● (B)
	AC/DC48V,		● (B)
	AC/DC110V,		● (O)
	AC/DC230V,		
	AC/DC400V		

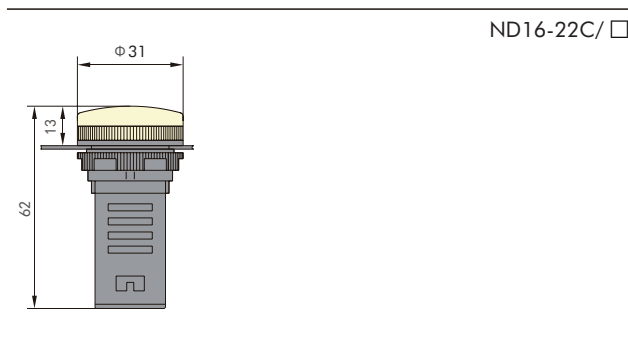
★ Compacted Arc Surface ripple-Lampshape (Resistance type)

ND16-22CS/2	Lamp-Voltage	Model	Color
	LED		○ (W)
	AC/DC 6V,	ND16-22CS/2	● (G)
	AC/DC12V,		● (R)
	AC/DC24V,		● (Y)
	AC/DC36V,		● (B)
	AC/DC48V,		● (O)

★ Arc Surface ripple-Lampshape (Capacitance type)

ND16-22C/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22C/4 ND16-22C/4K2	○ (W)
			● (G)
			● (R)
			● (Y)
			● (B)
			● (O)

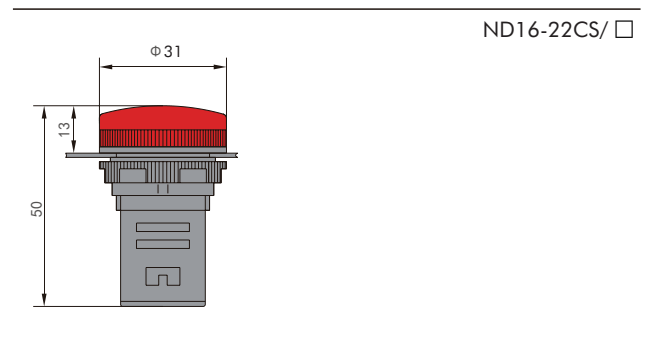
Dimension(mm)



★ Compacted Arc Surface ripple-Lampshape (Capacitance type)

ND16-22CS/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22CS/4	○ (W)
			● (G)
			● (R)
			● (Y)
			● (B)
			● (O)

Dimension(mm)



★ Arc Surface Round-Lampshape (Resistance type)

ND16-22D/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V, AC/DC110V, AC/DC230V, AC/DC400V	ND16-22D/2 ND16-22D/2K2 ND16-22D/2C	○ (W)
			● (G)
			● (R)
			● (Y)
			● (B)
			● (O)

★ Compacted Arc Surface Round-Lampshape (Resistance type)

ND16-22DS/2	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, AC/DC12V, AC/DC24V, AC/DC36V, AC/DC48V	ND16-22DS/2 ND16-22DS/2C	○ (W)
			● (G)
			● (R)
			● (Y)
			● (B)
			● (O)

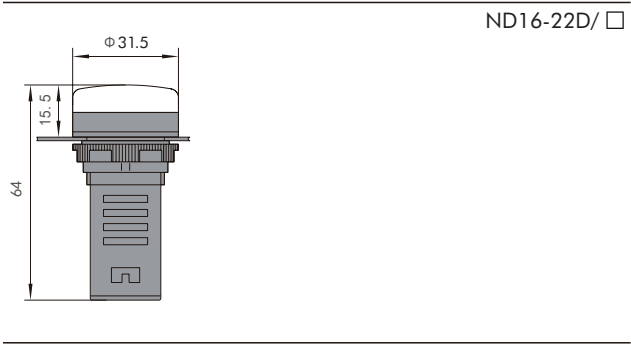
★ Arc Surface Round-Lampshape (Capacitance type)

ND16-22D/4	Lamp-Voltage	Model	Color
	LED AC 110V, AC230V, AC 400V	ND16-22D/4 ND16-22D/4K2 ND16-22D/4C	○ (W)
			● (G)
			● (R)
			● (Y)
			● (B)
			● (O)

★ Compacted Arc Surface Round-Lampshape (Capacitance type)

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

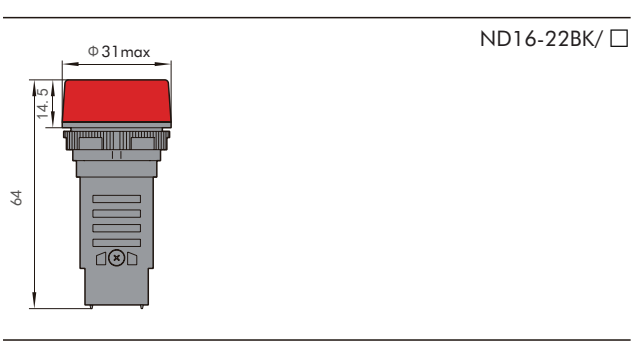
Dimension(mm)



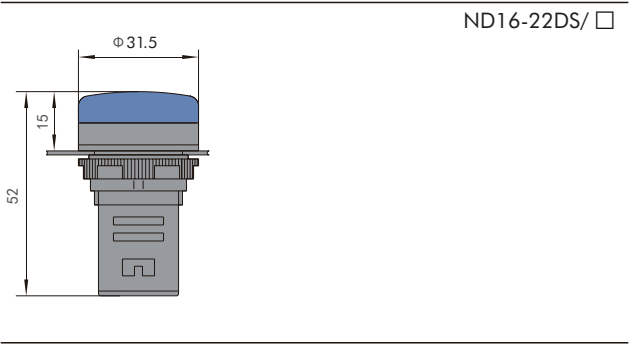
★ Fast connection type (Resistance type)

ND16-22BK/2	Lamp-Voltage	Model	Color
	LED:	ND16-22BK/2	○ (W)
	AC/DC 6V,		● (G)
	AC/DC12V,		● (R)
	AC/DC24V,		● (Y)
	AC/DC36V,		● (B)
	AC/DC48V,		● (B)
	AC/DC110V,		● (O)
	AC/DC230V,		
	AC/DC400V		

Dimension(mm)



Dimension(mm)



★ Fast connection type (Capacitance type)

ND16-22BK/4	Lamp-Voltage	Model	Color
	LED:	ND16-22BK/4	○ (W)
	AC110V		● (G)
	AC230V		● (R)
	AC400V		● (Y)
			● (B)
			● (B)
			● (O)

★ Interrupted type

ND16 Buzzer	Model	Color	Voltage
	ND16-22F		AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V
			AC230V AC400V

★ Interrupted & flush type

ND16 Buzzer	Model	Color	Voltage
	ND16-22FS		AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V

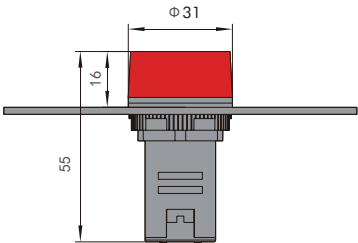
★ Continuous type

ND16 Buzzer	Model	Color	Voltage
	ND16-22L		AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V
			AC230V AC400V

★ Continuous & lit type

ND16 Buzzer	Model	Color	Voltage
	ND16-22LC		AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC230V AC400V

Dimension(mm)



ND16-22F
ND16-22FS
ND16-22L
ND16-22LC