

Pushbuttons & Indicator Lights & Buzzers**Pushbuttons****NP8**

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Indicator Lights / Buzzers**ND16**

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Drill Plan	Picture Index	Certificates	IP	Product Model
φ 22.3mm		 (only for compound type)	IP40	NP2 Series
			IP54	NP8 Series
φ 16mm			IP40	NP6 Series
φ 22.3mm			IP40 IP65	ND16 Series
			IP20	ND16 Buzzer
			IP65	NP3 Series Pendant Station

Selector Switches	2 positions			Key-operated selector switches	2 positions				 Key Free
		Maintained	Momentary			Maintained	Maintained	Momentary	
	3 positions				3 positions				
		Maintained	Momentary			Maintained	Maintained	Momentary	

Colors							
	1	2	3	4	5	6	7
	White	Black	Green	Red	Yellow	Blue	Orange



Flushbutton
NP8-□□BN/□

P03



Projecting button
NP8-□□GN/□

P04



Mushroom button,
self-reset
NP8-□□M/□

P05



Mushroom button, self-locking,
rotate to reset
NP8-□□ZS/□□

P07



Illuminated mushroom
button, self-reset
NP8-□□MD/□□

P06



Illuminated double-
head button
NP8-□□SD

P08



Selector switch
NP8-□□×/□□

P09



Illuminated Selector
switch
NP8-□□×D/□

P11



Key switch
NP8-□ Y/□□

P11



Double-head button
NP8-□□S

P08



Illuminated flush button
NP8-□□BND/□

P03



Illuminated projecting
button
NP8-□□GND/□

P04



Indicator light
NP8-D/□

P09



NP8 22mm Pushbutton Compound Models

1. General information

Electric ratings: AC50/60Hz, AC415V/DC250V;
 Degree of protection: IP54
 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 grade: 3
- 2.5 Installation category: II

3. Technical data

3.1 Refer to table below for rated values related to utilization category.

AC-15	Rated operational voltage, V	415	240	120
	Rated operational current, A	1.9	3	6
DC-13	Rated operational voltage, V	250	125	-
	Rated operational current, A	0.27	0.55	-

3.2 Refer to table 3 for basic parameters of illuminated pushbutton.

Basic parameters	LED lamp
Rated operational current	$\leq 20\text{mA}$
Rated operational voltage	AC/DC 6V, 12V, 24V, 36V, AC110V~230V

3.3 Durability

Mechanical life:

Flush, mushroom-headed and illuminated version:
 3×10^6 operation circles.

Rotary, double-headed, self-locking and keyed version:
 1×10^5 operation circles.

Electric life:

Flush, mushroom-headed and illuminated version:
 AC 1×10^5 / DC 2.5×10^5 operation circles.

Rotary, double-headed, self-locking and key type button:
 1×10^5 operation circles.




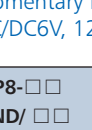
4. Features

- 4.1 Operating mechanism features
 bright colors and streamline surface.
- 4.2 Modular design.
 Operating system, adapter, contact system and illuminating system can be freely combined to realize different functions.
- 4.3 Convenient for mounting and dismounting thanks to snap-on structure.
- 4.4 Automatic locking function of the central adaptor makes it convenient and reliable for mounting and connection.
- 4.5 The terminal screw is available with anti-loosing mechanism to protect it against loosening from the body during transportation.
- 4.6 LED lamp with high brightness and long service life ensures reliable indication.




5. NP8 pushbutton

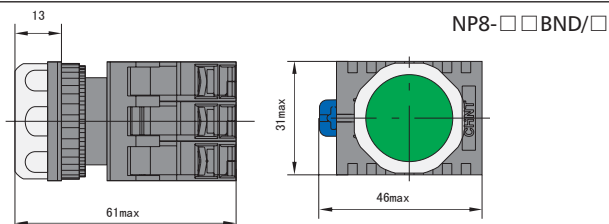
★ Momentary Flush Pushbutton-(Non illuminated)




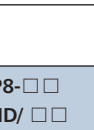
NP8-□□ BN/ □□	Model	Color	↵	↶
	NP8-10BN/1	○	1	—
	NP8-10BN/2	●	1	—
	NP8-10BN/3	●	1	—
	NP8-10BN/4	●	1	—
	NP8-10BN/5	●	1	—
	NP8-10BN/6	●	1	—
	NP8-01BN/1	○	—	1
	NP8-01BN/2	●	—	1
	NP8-01BN/3	●	—	1
	NP8-01BN/4	●	—	1
	NP8-01BN/5	●	—	1
	NP8-01BN/6	●	—	1
	NP8-20BN/1	○	2	—
	NP8-20BN/2	●	2	—
	NP8-20BN/3	●	2	—
	NP8-20BN/4	●	2	—
	NP8-20BN/5	●	2	—
	NP8-20BN/6	●	2	—
	NP8-02BN/1	○	—	2
	NP8-02BN/2	●	—	2
	NP8-02BN/3	●	—	2
	NP8-02BN/4	●	—	2
	NP8-02BN/5	●	—	2
	NP8-02BN/6	●	—	2
	NP8-11BN/1	○	1	1
	NP8-11BN/2	●	1	1
	NP8-11BN/3	●	1	1
	NP8-11BN/4	●	1	1
	NP8-11BN/5	●	1	1
	NP8-11BN/6	●	1	1

★ Momentary Flush Pushbutton-illuminated AC/DC6V, 12V, 24V, 36V, AC110V~230V

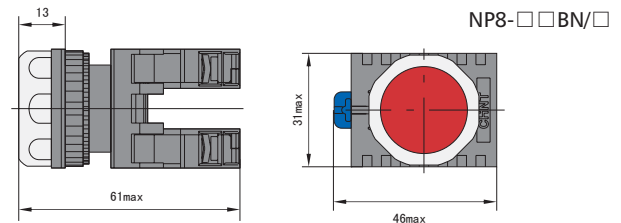
NP8-□□ BND/ □□	Model	Color	↵	↶
	NP8-10BND/1	○	1	—
	NP8-10BND/3	●	1	—
	NP8-10BND/4	●	1	—
	NP8-10BND/5	●	1	—
	NP8-10BND/6	●	1	—
	NP8-01BND/1	○	—	1
NP8-01BND/3	●	—	1	
NP8-01BND/4	●	—	1	
NP8-01BND/5	●	—	1	
NP8-01BND/6	●	—	1	



Dimension (mm)



NP8-□□ BN/ □□	Model	Color	↵	↶
	NP8-30BN/1	○	3	—
	NP8-30BN/2	●	3	—
	NP8-30BN/3	●	3	—
	NP8-30BN/4	●	3	—
	NP8-30BN/5	●	3	—
	NP8-30BN/6	●	3	—
	NP8-03BN/1	○	—	3
	NP8-03BN/2	●	—	3
	NP8-03BN/3	●	—	3
	NP8-03BN/4	●	—	3
	NP8-03BN/5	●	—	3
	NP8-03BN/6	●	—	3
	NP8-12BN/1	○	1	2
	NP8-12BN/2	●	1	2
	NP8-12BN/3	●	1	2
	NP8-12BN/4	●	1	2
	NP8-12BN/5	●	1	2
	NP8-12BN/6	●	1	2
	NP8-21BN/1	○	2	1
	NP8-21BN/2	●	2	1
	NP8-21BN/3	●	2	1
	NP8-21BN/4	●	2	1
	NP8-21BN/5	●	2	1
	NP8-21BN/6	●	2	1

Dimension (mm)



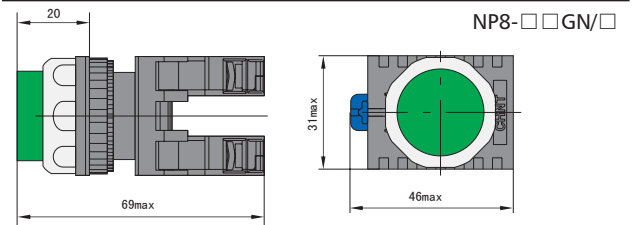
NP8-□□ BND/ □□	Model	Color	↵	↶
	NP8-20BND/1	○	2	—
	NP8-20BND/3	●	2	—
	NP8-20BND/4	●	2	—
	NP8-20BND/5	●	2	—
	NP8-20BND/6	●	2	—
	NP8-02BND/1	○	—	2
NP8-02BND/3	●	—	2	
NP8-02BND/4	●	—	2	
NP8-02BND/5	●	—	2	
NP8-02BND/6	●	—	2	
	NP8-11BND/1	○	1	1
	NP8-11BND/3	●	1	1
	NP8-11BND/4	●	1	1
	NP8-11BND/5	●	1	1
	NP8-11BND/6	●	1	1

★ Momentary Flush Pushbutton-(Non illuminated)

NP8-□□ GN/□□	Model	Color	↘	↙	
	NP8-10GN/1	○	1	—	
	NP8-10GN/2	●	1	—	
	NP8-10GN/3	●	1	—	
	NP8-10GN/4	●	1	—	
	NP8-10GN/5	●	1	—	
	NP8-10GN/6	●	1	—	
	NP8-01GN/1	○	—	1	—
	NP8-01GN/2	●	—	1	—
	NP8-01GN/3	●	—	1	—
	NP8-01GN/4	●	—	1	—
	NP8-01GN/5	●	—	1	—
	NP8-01GN/6	●	—	1	—
	NP8-20GN/1	○	2	—	
	NP8-20GN/2	●	2	—	
	NP8-20GN/3	●	2	—	
	NP8-20GN/4	●	2	—	
	NP8-20GN/5	●	2	—	
	NP8-20GN/6	●	2	—	
	NP8-02GN/1	○	—	2	—
	NP8-02GN/2	●	—	2	—
	NP8-02GN/3	●	—	2	—
	NP8-02GN/4	●	—	2	—
	NP8-02GN/5	●	—	2	—
	NP8-02GN/6	●	—	2	—
	NP8-11GN/1	○	1	1	—
	NP8-11GN/2	●	1	1	—
	NP8-11GN/3	●	1	1	—
	NP8-11GN/4	●	1	1	—
	NP8-11GN/5	●	1	1	—
	NP8-11GN/6	●	1	1	—

NP8-□□ GN/□□	Model	Color	↘	↙	
	NP8-30GN/1	○	3	—	
	NP8-30GN/2	●	3	—	
	NP8-30GN/3	●	3	—	
	NP8-30GN/4	●	3	—	
	NP8-30GN/5	●	3	—	
	NP8-30GN/6	●	3	—	
	NP8-03GN/1	○	—	3	—
	NP8-03GN/2	●	—	3	—
	NP8-03GN/3	●	—	3	—
	NP8-03GN/4	●	—	3	—
	NP8-30GN/5	●	3	—	
	NP8-30GN/6	●	3	—	
	NP8-03GN/1	○	—	3	—
	NP8-03GN/2	●	—	3	—
	NP8-03GN/3	●	—	3	—
	NP8-03GN/4	●	—	3	—
	NP8-03GN/5	●	—	3	—
	NP8-03GN/6	●	—	3	—
	NP8-12GN/1	○	1	2	—
	NP8-12GN/2	●	1	2	—
	NP8-12GN/3	●	1	2	—
	NP8-12GN/4	●	1	2	—
	NP8-12GN/5	●	1	2	—
	NP8-12GN/6	●	1	2	—
	NP8-21GN/1	○	2	1	—
	NP8-21GN/2	●	2	1	—
	NP8-21GN/3	●	2	1	—
	NP8-21GN/4	●	2	1	—
	NP8-21GN/5	●	2	1	—
	NP8-21GN/6	●	2	1	—

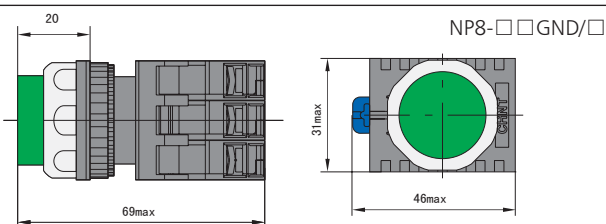
Dimension (mm)



★ Momentary Flush Pushbutton-illuminated
 AC/DC6V, 12V, 24V, 36V, AC110V~230V




NP8-□□ GND/□□	Model	Color	↘	↙	
	NP8-10GND/1	○	1	—	
	NP8-10GND/3	●	1	—	
	NP8-10GND/4	●	1	—	
	NP8-10GND/5	●	1	—	
	NP8-10GND/6	●	1	—	
	NP8-01GND/1	○	—	1	—
	NP8-01GND/3	●	—	1	—
	NP8-01GND/4	●	—	1	—
	NP8-01GND/5	●	—	1	—
	NP8-01GND/6	●	—	1	—


Dimension (mm)





NP8-□□ GND/□□	Model	Color	↘	↙	
	NP8-20GND/1	○	2	—	
	NP8-20GND/3	●	2	—	
	NP8-20GND/4	●	2	—	
	NP8-20GND/5	●	2	—	
	NP8-20GND/6	●	2	—	
	NP8-02GND/1	○	—	2	—
	NP8-02GND/3	●	—	2	—
	NP8-02GND/4	●	—	2	—
	NP8-02GND/5	●	—	2	—
	NP8-02GND/6	●	—	2	—
	NP8-11GND/1	○	1	1	—
	NP8-11GND/3	●	1	1	—
	NP8-11GND/4	●	1	1	—
	NP8-11GND/5	●	1	1	—
	NP8-11GND/6	●	1	1	—

★ ϕ 40 Momentary Mushroom button-(Non illuminated)

NP8-□□ M/□□	Model	Color	⌋	⌋	
	NP8-10M/11	○	1	—	
	NP8-10M/12	●	1	—	
	NP8-10M/13	●	1	—	
	NP8-10M/14	●	1	—	
	NP8-10M/15	●	1	—	
	NP8-10M/16	●	1	—	
	NP8-01M/11	○	—	1	
	NP8-01M/12	●	—	1	
	NP8-01M/13	●	—	1	
	NP8-01M/14	●	—	1	
	NP8-01M/15	●	—	1	
	NP8-01M/16	●	—	1	
		NP8-20M/11	○	2	—
		NP8-20M/12	●	2	—
		NP8-20M/13	●	2	—
		NP8-20M/14	●	2	—
NP8-20M/15		●	2	—	
NP8-20M/16		●	2	—	
NP8-02M/11		○	—	2	
NP8-02M/12		●	—	2	
NP8-02M/13		●	—	2	
NP8-02M/14		●	—	2	
NP8-02M/15		●	—	2	
NP8-02M/16		●	—	2	
NP8-11M/11		○	1	1	
NP8-11M/12		●	1	1	
NP8-11M/13		●	1	1	
NP8-11M/14		●	1	1	
NP8-11M/15	●	1	1		
NP8-11M/16	●	1	1		
	NP8-30M/11	○	3	—	
	NP8-30M/12	●	3	—	
	NP8-30M/13	●	3	—	
	NP8-30M/14	●	3	—	
	NP8-30M/15	●	3	—	
	NP8-30M/16	●	3	—	
	NP8-03M/11	○	—	3	
	NP8-03M/12	●	—	3	
	NP8-03M/13	●	—	3	

NP8-□□ M/□□	Model	Color	⌋	⌋
	NP8-03M/14	●	—	3
	NP8-03M/15	●	—	3
	NP8-03M/16	●	—	3
	NP8-12M/11	○	1	2
	NP8-12M/12	●	1	2
	NP8-12M/13	●	1	2
	NP8-12M/14	●	1	2
	NP8-12M/15	●	1	2
	NP8-12M/16	●	1	2
	NP8-21M/11	○	2	1
	NP8-21M/12	●	2	1
	NP8-21M/13	●	2	1
	NP8-21M/14	●	2	1
	NP8-21M/15	●	2	1
	NP8-21M/16	●	2	1

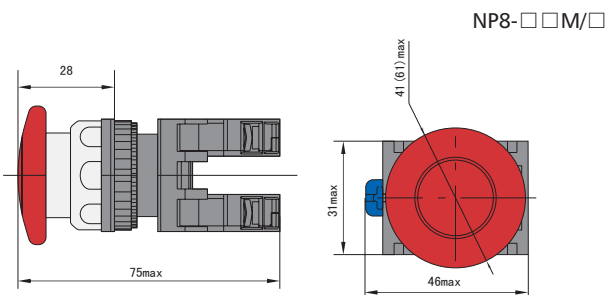
★ ϕ 60 Momentary Mushroom button-(Non illuminated)

NP8-□□ M/□□	Model	Color	⌋	⌋	
	NP8-10M/21	○	1	—	
	NP8-10M/22	●	1	—	
	NP8-10M/23	●	1	—	
	NP8-10M/24	●	1	—	
	NP8-10M/25	●	1	—	
	NP8-10M/26	●	1	—	
	NP8-01M/21	○	—	1	
	NP8-01M/22	●	—	1	
	NP8-01M/23	●	—	1	
	NP8-01M/24	●	—	1	
	NP8-01M/25	●	—	1	
	NP8-01M/26	●	—	1	
		NP8-20M/21	○	2	—
		NP8-20M/22	●	2	—
		NP8-20M/23	●	2	—
		NP8-20M/24	●	2	—
NP8-20M/25		●	2	—	
NP8-20M/26		●	2	—	
NP8-02M/21		○	—	2	
NP8-02M/22		●	—	2	

1 CONTACT BLOCK
(Non-illuminated)

NP8-□□ M/ □□	Model	Color	⏏	⏏
	NP8-02M/23	●	—	2
	NP8-02M/24	●	—	2
	NP8-02M/25	●	—	2
	NP8-02M/26	●	—	2
	NP8-11M/21	○	1	1
	NP8-11M/22	●	1	1
	NP8-11M/23	●	1	1
	NP8-11M/24	●	1	1
	NP8-11M/25	●	1	1
	NP8-11M/26	●	1	1
	NP8-30M/21	○	3	—
	NP8-30M/22	●	3	—
NP8-30M/23	●	3	—	
NP8-30M/24	●	3	—	
NP8-30M/25	●	3	—	
NP8-30M/26	●	3	—	
NP8-03M/21	○	—	3	
NP8-03M/22	●	—	3	
NP8-03M/23	●	—	3	
NP8-03M/24	●	—	3	
NP8-03M/25	●	—	3	
NP8-03M/26	●	—	3	
NP8-12M/21	○	1	2	
NP8-12M/22	●	1	2	
NP8-12M/23	●	1	2	
NP8-12M/24	●	1	2	
NP8-12M/25	●	1	2	
NP8-12M/26	●	1	2	
NP8-21M/21	○	2	1	
NP8-21M/22	●	2	1	
NP8-21M/23	●	2	1	
NP8-21M/24	●	2	1	
NP8-21M/25	●	2	1	
NP8-21M/26	●	2	1	

Dimension (mm)



★ ϕ 40 Momentary Mushroom button-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8-□□ MD/ □□	Model	Color	⏏	⏏
	NP8-10MD/11	○	1	—
	NP8-10MD/13	●	1	—
	NP8-10MD/14	●	1	—
	NP8-10MD/15	●	1	—
	NP8-10MD/16	●	1	—
	NP8-01MD/11	○	—	1
	NP8-01MD/13	●	—	1
	NP8-01MD/14	●	—	1
	NP8-01MD/15	●	—	1
	NP8-01MD/16	●	—	1
	NP8-20MD/11	○	2	—
	NP8-20MD/13	●	2	—
	NP8-20MD/14	●	2	—
	NP8-20MD/15	●	2	—
	NP8-20MD/16	●	2	—
	NP8-02MD/11	○	—	2
NP8-02MD/13	●	—	2	
NP8-02MD/14	●	—	2	
NP8-02MD/15	●	—	2	
NP8-02MD/16	●	—	2	
NP8-11MD/11	○	1	1	
NP8-11MD/13	●	1	1	
NP8-11MD/14	●	1	1	
NP8-11MD/15	●	1	1	
NP8-11MD/16	●	1	1	

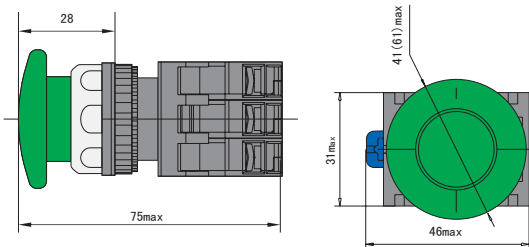
★ ϕ 60 Momentary Mushroom button-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

NP8-□□ MD/ □□	Model	Color	⏏	⏏
1 CONTACT BLOCK (Non-illuminated)	NP8-10MD/11	○	1	—
	NP8-10MD/13	●	1	—
	NP8-10MD/14	●	1	—
	NP8-10MD/15	●	1	—
	NP8-10MD/16	●	1	—
	NP8-01MD/11	○	—	1
	NP8-01MD/13	●	—	1
	NP8-01MD/14	●	—	1
	NP8-01MD/15	●	—	1
	NP8-01MD/16	●	—	1


NP8-□□ MD/□□	Model	Color	⏏	⏏
2 CONTACT BLOCK (Non-illuminated)	NP8-20MD/11	○	2	—
	NP8-20MD/13	●	2	—
	NP8-20MD/14	●	2	—
	NP8-20MD/15	●	2	—
	NP8-20MD/16	●	2	—
	NP8-02MD/11	○	—	2
	NP8-02MD/13	●	—	2
	NP8-02MD/14	●	—	2
	NP8-02MD/15	●	—	2
	NP8-02MD/16	●	—	2
	NP8-11MD/11	○	1	1
	NP8-11MD/13	●	1	1
	NP8-11MD/14	●	1	1
	NP8-11MD/15	●	1	1
	NP8-11MD/16	●	1	1


Dimension (mm)

NP8-□□MD/□






★ ϕ 40 Mushroom button-(Non illuminated) Maintained

NP8-□□ ZS/□□	Model	Color	⏏	⏏
	NP8-10ZS/11	○	1	—
	NP8-10ZS/12	●	1	—
	NP8-10ZS/13	●	1	—
	NP8-10ZS/14	●	1	—
	NP8-10ZS/15	●	1	—
	NP8-10ZS/16	●	1	—
	NP8-01ZS/11	○	—	1
	NP8-01ZS/12	●	—	1
	NP8-01ZS/13	●	—	1
	NP8-01ZS/14	●	—	1
	NP8-01ZS/15	●	—	1
	NP8-01ZS/16	●	—	1

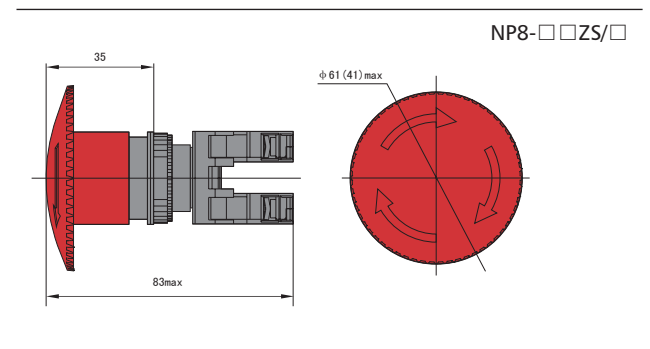
NP8-□□ ZS/□□	Model	Color	⏏	⏏
	NP8-20ZS/11	○	2	—
	NP8-20ZS/12	●	2	—
	NP8-20ZS/13	●	2	—
	NP8-20ZS/14	●	2	—
	NP8-20ZS/15	●	2	—
	NP8-20ZS/16	●	2	—
	NP8-02ZS/11	○	—	2
	NP8-02ZS/12	●	—	2
	NP8-02ZS/13	●	—	2
	NP8-02ZS/14	●	—	2
	NP8-02ZS/15	●	—	2
	NP8-02ZS/16	●	—	2
	NP8-11ZS/11	○	1	1
	NP8-11ZS/12	●	1	1
	NP8-11ZS/13	●	1	1
	NP8-11ZS/14	●	1	1
	NP8-11ZS/15	●	1	1
	NP8-11ZS/16	●	1	1

★ ϕ 60 Mushroom button-(Non illuminated) Maintained


NP8-□□ ZS/□□	Model	Color	⏏	⏏
	NP8-10ZS/21	○	1	—
	NP8-10ZS/22	●	1	—
	NP8-10ZS/23	●	1	—
	NP8-10ZS/24	●	1	—
	NP8-10ZS/25	●	1	—
	NP8-10ZS/26	●	1	—
	NP8-01ZS/21	○	—	1
	NP8-01ZS/22	●	—	1
	NP8-01ZS/23	●	—	1
	NP8-01ZS/24	●	—	1
	NP8-01ZS/25	●	—	1
	NP8-01ZS/26	●	—	1
	NP8-20ZS/21	○	2	—
	NP8-20ZS/22	●	2	—
	NP8-20ZS/23	●	2	—
	NP8-20ZS/24	●	2	—
	NP8-20ZS/25	●	2	—
	NP8-20ZS/26	●	2	—

NP8-□□ ZS/□□	Model	Color	↵	↶
	NP8-02ZS/21	○	—	2
	NP8-02ZS/22	●	—	2
	NP8-02ZS/23	●	—	2
	NP8-02ZS/24	●	—	2
	NP8-02ZS/25	●	—	2
	NP8-02ZS/26	●	—	2
	NP8-11ZS/21	○	2	1
	NP8-11ZS/22	●	2	1
	NP8-11ZS/23	●	2	1
	NP8-11ZS/24	●	2	1
	NP8-11ZS/25	●	2	1
	NP8-11ZS/26	●	2	1


Dimension (mm)



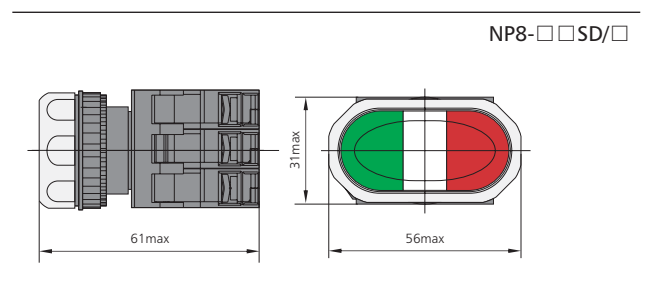
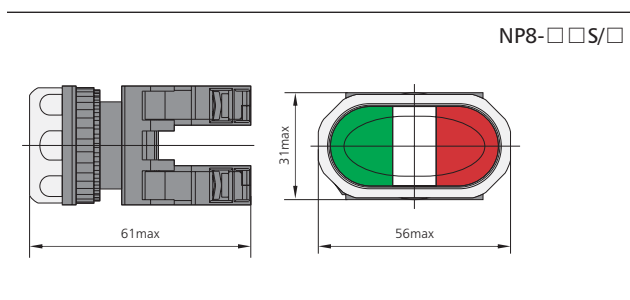
★ Double-headed flush momentary button (Non-illuminated)

NP8-□□ S	Lamp-Voltage	Model	Color	↵	↶
	Non-illuminated	NP8-20S	● + ●	2	—
		NP8-02S	● + ●	—	2
		NP8-11S	● + ●	1	1


★ Double-headed flush momentary button (Illuminated)

NP8-□□ SD	Lamp-Voltage	Model	Color	↵	↶
	LED: AC/DC 6V, 12V, 24V, 36V; AC 110V, 230V	NP8-20SD	● + ●	2	—
		NP8-02SD	● + ●	—	2
		NP8-11SD	● + ●	1	1

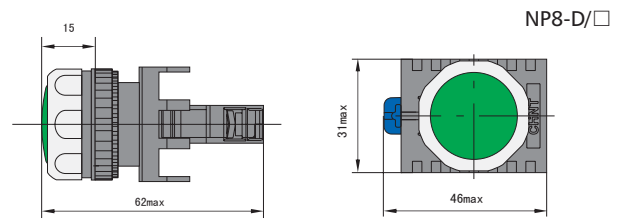
Dimension (mm)






★ Indicator


NP8-D/ □	Lamp-Voltage	Model	Color
	LED: AC/AD 6V, 12V, 24V, 36V; AC110V, 230V	NP8-D/1	○
		NP8-D/3	●
		NP8-D/4	●
		NP8-D/5	●
		NP8-D/6	●

Dimension (mm)




★ Selector Switches (2 positions)-(Non-illuminated)

NP8- □□ X/ □	Metal	Color	Selector Switches	↖	↗		
	NP8-10X/211	○	↙	1	—		
	NP8-10X/212	●		1	—		
	NP8-10X/213	●		1	—		
	NP8-10X/214	●		1	—		
	NP8-10X/215	●		1	—		
	NP8-10X/216	●		1	—		
	NP8-01X/211	○		—	1		
	NP8-01X/212	●		—	1		
	NP8-01X/213	●		—	1		
	NP8-01X/214	●		—	1		
	NP8-01X/215	●		—	1		
	NP8-01X/216	●		—	1		
		NP8-10X/221		○	↙	1	—
		NP8-10X/222		●		1	—
		NP8-10X/223		●		1	—
		NP8-10X/224		●		1	—
NP8-10X/225		●	1	—			
NP8-10X/226		●	1	—			
NP8-01X/221		○	—	1			
NP8-01X/222		●	—	1			
NP8-01X/223		●	—	1			
NP8-01X/224		●	—	1			
NP8-01X/225		●	—	1			
NP8-01X/226		●	—	1			
		NP8-20X/211	○	↙		2	—
		NP8-20X/212	●			2	—
		NP8-20X/213	●			2	—
		NP8-20X/214	●			2	—
	NP8-20X/215	●	2		—		
	NP8-20X/216	●	2		—		
	NP8-02X/211	○	—		2		
	NP8-02X/212	●	—		2		
	NP8-02X/213	●	—		2		
	NP8-02X/214	●	—		2		
	NP8-02X/215	●	—		2		
	NP8-02X/216	●	—		2		
	NP8-11X/211	○	1		1		
	NP8-11X/212	●	1		1		
	NP8-11X/213	●	1		1		
	NP8-11X/214	●	1		1		
NP8-11X/215	●	1	1				
NP8-11X/216	●	1	1				

NP8- □□ X/22 □	Metal	Color	Selector Switches	↖	↗	
	NP8-20X/221	○	↙	2	—	
	NP8-20X/222	●		2	—	
	NP8-20X/223	●		2	—	
	NP8-20X/224	●		2	—	
	NP8-20X/225	●		2	—	
	NP8-20X/226	●		2	—	
	NP8-02X/221	○		—	2	
	NP8-02X/222	●		—	2	
	NP8-02X/223	●		—	2	
	NP8-02X/224	●		—	2	
	NP8-02X/225	●		—	2	
	NP8-02X/226	●		—	2	
	NP8-11X/221	○		1	1	
	NP8-11X/222	●		1	1	
	NP8-11X/223	●		1	1	
	NP8-11X/224	●		1	1	
	NP8-11X/225	●		1	1	
	NP8-11X/226	●		1	1	

★ Selector Switches (3 positions)-(Non-illuminated)

NP8- □□ X/ □	Metal	Color	Selector Switches	↖	↗	
	NP8-20X/311	○	↙	2	—	
	NP8-20X/312	●		2	—	
	NP8-20X/313	●		2	—	
	NP8-20X/314	●		2	—	
	NP8-20X/315	●		2	—	
	NP8-20X/316	●		2	—	
	NP8-02X/311	○		—	2	
	NP8-02X/312	●		—	2	
	NP8-02X/313	●		—	2	
	NP8-02X/314	●		—	2	
	NP8-02X/315	●		—	2	
	NP8-02X/316	●		—	2	
	NP8-11X/311	○		1	1	
	NP8-11X/312	●		1	1	
	NP8-11X/313	●		1	1	
	NP8-11X/314	●		1	1	
NP8-11X/315	●	1	1			
NP8-11X/316	●	1	1			

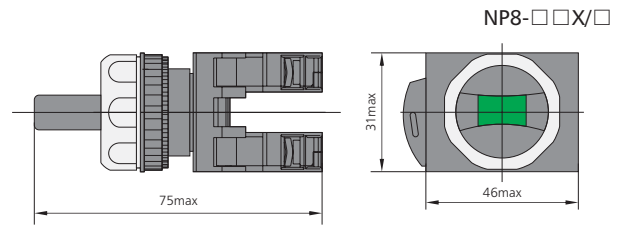
Pushbuttons

NP8-□□ X/33 □	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20X/331	○		2	—
	NP8-20X/332	●		2	—
	NP8-20X/333	●		2	—
	NP8-20X/334	●		2	—
	NP8-20X/335	●		2	—
	NP8-20X/336	●		2	—
	NP8-02X/331	○	↙	—	2
	NP8-02X/332	●	↘	—	2
	NP8-02X/333	●	↙	—	2
	NP8-02X/334	●	↘	—	2
	NP8-02X/335	●	↙	—	2
	NP8-02X/336	●	↘	—	2
	NP8-11X/331	○		1	1
	NP8-11X/332	●		1	1
	NP8-11X/333	●		1	1
	NP8-11X/334	●		1	1
	NP8-11X/335	●		1	1
	NP8-11X/336	●		1	1

NP8-□□ X/37 □	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20X/371	○		2	—
	NP8-20X/372	●		2	—
	NP8-20X/373	●		2	—
	NP8-20X/374	●		2	—
	NP8-20X/375	●		2	—
	NP8-20X/376	●		2	—
	NP8-02X/371	○	↙	—	2
	NP8-02X/372	●	↘	—	2
	NP8-02X/373	●	↙	—	2
	NP8-02X/374	●	↘	—	2
	NP8-02X/375	●	↙	—	2
	NP8-02X/376	●	↘	—	2
	NP8-11X/371	○		1	1
	NP8-11X/372	●		1	1
	NP8-11X/373	●		1	1
	NP8-11X/374	●		1	1
	NP8-11X/375	●		1	1
	NP8-11X/376	●		1	1

NP8-□□ X/38 □	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20X/381	○		2	—
	NP8-20X/382	●		2	—
	NP8-20X/383	●		2	—
	NP8-20X/384	●		2	—
	NP8-20X/385	●		2	—
	NP8-20X/386	●		2	—
	NP8-02X/381	○	↙	—	2
	NP8-02X/382	●	↘	—	2
	NP8-02X/383	●	↙	—	2
	NP8-02X/384	●	↘	—	2
	NP8-02X/385	●	↙	—	2
	NP8-02X/386	●	↘	—	2
	NP8-11X/381	○		1	1
	NP8-11X/382	●		1	1
	NP8-11X/383	●		1	1
	NP8-11X/384	●		1	1
	NP8-11X/385	●		1	1
	NP8-11X/386	●		1	1

Dimension (mm)



★ Selector Switches (2 positions) -(Illuminated)

NP8- □□ XD/ □	Metal	Color	Selector Switches	↙	↘
	NP8-10XD/211	○	↙	1	—
	NP8-10XD/213	●		1	—
	NP8-10XD/214	●		1	—
	NP8-10XD/215	●		1	—
	NP8-10XD/216	●		1	—
	NP8-01XD/211	○		—	1
	NP8-01XD/213	●		—	1
	NP8-01XD/214	●		—	1
	NP8-01XD/215	●		—	1
NP8-01XD/216	●	—	1		
	NP8-10XD/221	○	↘	1	—
	NP8-10XD/222	●		1	—
	NP8-10XD/223	●		1	—
	NP8-10XD/224	●		1	—
	NP8-10XD/225	●		1	—
	NP8-10XD/226	●		1	—
	NP8-01XD/221	○		—	1
	NP8-01XD/222	●		—	1
	NP8-01XD/223	●		—	1
	NP8-01XD/224	●		—	1
	NP8-01XD/225	●		—	1
	NP8-01XD/226	●		—	1
		NP8-20XD/211		○	↙
NP8-20XD/213		●	2	—	
NP8-20XD/214		●	2	—	
NP8-20XD/215		●	2	—	
NP8-20XD/216		●	2	—	
NP8-02XD/211		○	—	2	
NP8-02XD/213		●	—	2	
NP8-02XD/214		●	—	2	
NP8-02XD/215		●	—	2	
NP8-02XD/216		●	—	2	
NP8-11XD/211		○	1	1	
NP8-11XD/213		●	1	1	
NP8-11XD/214		●	1	1	
NP8-11XD/215	●	1	1		
NP8-11XD/216	●	1	1		
	NP8-20XD/221	○	↘		
	NP8-20XD/222	●			
	NP8-20XD/223	●			
	NP8-20XD/224	●			
	NP8-20XD/225	●			
	NP8-20XD/226	●			
	NP8-02XD/221	○			
	NP8-02XD/222	●			
	NP8-02XD/223	●			
	NP8-02XD/224	●			
	NP8-02XD/225	●			
	NP8-02XD/226	●			
	NP8-11XD/221	○			
	NP8-11XD/222	●			
	NP8-11XD/223	●			
	NP8-11XD/224	●			
	NP8-11XD/225	●			
	NP8-11XD/226	●			

★ Selector Switches With key (2 positions)-(Non-illuminated)

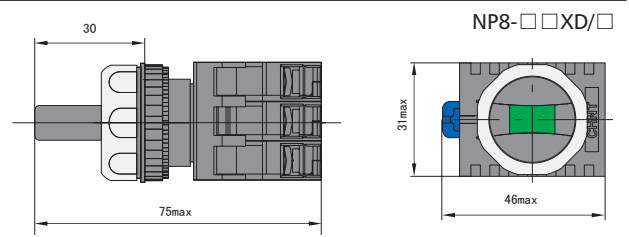
NP8-□□ Y/□	Metal	Selector Switches	↙	↘
	NP8-10Y/21	↙	1	—
	NP8-01Y/21		—	1
	NP8-10Y/22	↘	1	—
	NP8-01Y/22		—	1
	NP8-20Y/21	↙	2	—
	NP8-02Y/21		—	2
	NP8-11Y/21		1	1
	NP8-20Y/22	↘	2	—
	NP8-02Y/22		—	2
	NP8-11Y/22		1	1

★ Selector Switches (3 positions) -(Illuminated)













NP8- □□ XD/ □	Metal	Color	Selector Switches	↙	↘
	NP8-20XD/311	○	↙	2	—
	NP8-20XD/313	●		2	—
	NP8-20XD/314	●		2	—
	NP8-20XD/315	●		2	—
	NP8-20XD/316	●		2	—
	NP8-02XD/311	○		—	2
	NP8-02XD/313	●		—	2
	NP8-02XD/314	●		—	2
	NP8-02XD/315	●		—	2
	NP8-02XD/316	●		—	2
	NP8-11XD/311	○		1	1
	NP8-11XD/313	●		1	1
	NP8-11XD/314	●		1	1
	NP8-11XD/315	●		1	1
	NP8-11XD/316	●		1	1

NP8-□□ XD/33□	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20XD/331	○		2	—
	NP8-20XD/332	●		2	—
	NP8-20XD/333	●		2	—
	NP8-20XD/334	●		2	—
	NP8-20XD/335	●		2	—
	NP8-20XD/336	●		2	—
	NP8-02XD/331	○	↘	—	2
	NP8-02XD/332	●	↘	—	2
	NP8-02XD/333	●	↘	—	2
	NP8-02XD/334	●	↘	—	2
	NP8-02XD/335	●	↘	—	2
	NP8-02XD/336	●	↘	—	2
	NP8-11XD/331	○		1	1
	NP8-11XD/332	●		1	1
	NP8-11XD/333	●		1	1
	NP8-11XD/334	●		1	1
	NP8-11XD/335	●		1	1
	NP8-11XD/336	●		1	1
NP8-□□ XD/37□	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20XD/371	○		2	—
	NP8-20XD/372	●		2	—
	NP8-20XD/373	●		2	—
	NP8-20XD/374	●		2	—
	NP8-20XD/375	●		2	—
	NP8-20XD/376	●		2	—
	NP8-02XD/371	○	↘	—	2
	NP8-02XD/372	●	↘	—	2
	NP8-02XD/373	●	↘	—	2
	NP8-02XD/374	●	↘	—	2
	NP8-02XD/375	●	↘	—	2
	NP8-02XD/376	●	↘	—	2
	NP8-11XD/371	○		1	1
	NP8-11XD/372	●		1	1
	NP8-11XD/373	●		1	1
	NP8-11XD/374	●		1	1
	NP8-11XD/375	●		1	1
	NP8-11XD/376	●		1	1
NP8-□□ XD/38□	Metal	Color	Selector Switches	Selector Switches	
				↙	↘
	NP8-20XD/381	○		2	—
	NP8-20XD/382	●		2	—
	NP8-20XD/383	●		2	—
	NP8-20XD/384	●		2	—
	NP8-20XD/385	●		2	—
	NP8-20XD/386	●		2	—
	NP8-02XD/381	○	↘	—	2
	NP8-02XD/382	●	↘	—	2
	NP8-02XD/383	●	↘	—	2
	NP8-02XD/384	●	↘	—	2
	NP8-02XD/385	●	↘	—	2
	NP8-02XD/386	●	↘	—	2
	NP8-11XD/381	○		1	1
	NP8-11XD/382	●		1	1
	NP8-11XD/383	●		1	1
	NP8-11XD/384	●		1	1
	NP8-11XD/385	●		1	1
	NP8-11XD/386	●		1	1

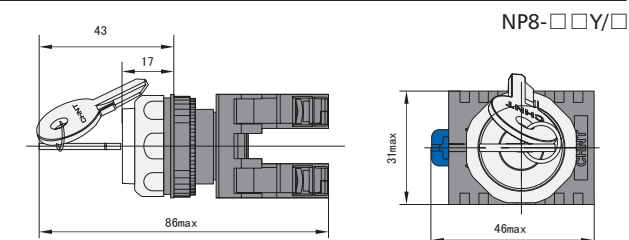
Dimension (mm)














★ Selector Switches With key (3 positions)-(Non-illuminated)

NP8-□□ Y/□	Metal	Selector Switches	Selector Switches	
			↙	↘
 NP8-20Y/31  NP8-02Y/31  NP8-11Y/31		↘	2	—
		↙	—	2
		↘	1	1
NP8-□□ Y/33	Metal	Selector Switches	Selector Switches	
			↙	↘
 NP8-20Y/33  NP8-02Y/33  NP8-11Y/33		↘	2	—
		↙	—	2
		↘	1	1
NP8-□□ Y/37	Metal	Selector Switches	Selector Switches	
			↙	↘
 NP8-20Y/37  NP8-02Y/37  NP8-11Y/37		↘	2	—
		↙	—	2
		↘	1	1
NP8-□□ Y/38	Metal	Selector Switches	Selector Switches	
			↙	↘
 NP8-20Y/38  NP8-02Y/38  NP8-11Y/38		↘	2	—
		↙	—	2
		↘	1	1

Dimension (mm)



★ Metal-headed

 Flushbutton NP2-BA □□ P16	 φ 40mm mushroom button NP2-BC □□ P19	 φ 60mm mushroom button NP2-BR □□ P19	 Mushroom button, stay-up, rotated to reset NP2-BS □□ P20	 Selector button with rotary knob NP2-BD □□ P21	 Selector button with rotary handle NP2-BJ □□ P21
 Key switch NP2-BG □□ P21	 Double-headed button NP2-BL8 □□□□ P29	 Illuminated button NP2-BW3 □□□ P29	 Illuminated double- headed button NP2-BW8 □□□□ P29	 Indicator light NP2-BV □□ P29	

★ Plastic-headed

 Flushbutton NP2-EA □□ P22	 φ 40mm mushroom button NP2-EC □□ P24	 φ 60mm mushroom button NP2-ER □□ P24	 Mushroom button, stay-up, rotated to reset NP2-ES □□ P26	 Selector button with rotary knob NP2-ED □□ P27	 Selector button with rotary handle NP2-EJ □□ P27
 Key switch NP2-EG □□ P28	 Double-headed button NP2-EL8 □□□□ P25	 Illuminated button NP2-EW3 □□□ P23	 Illuminated double-headed button NP2-EW8 □□□□ P25	 Indicator light NP2-EV □□ P26	 Economic indicator light NP2-EV1 □□ P27

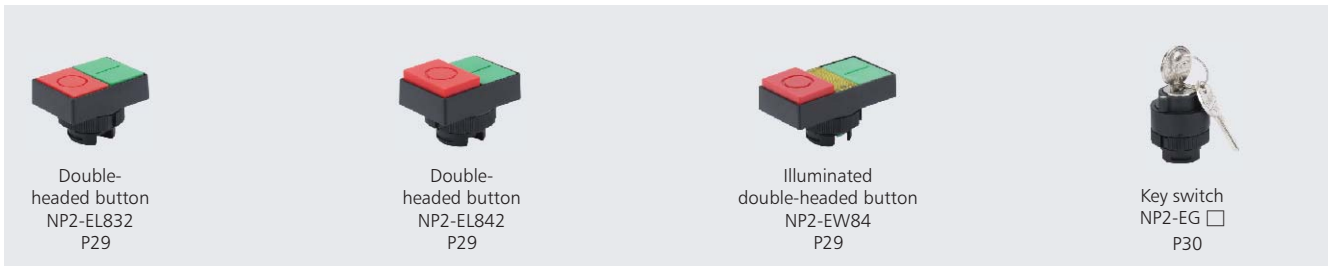
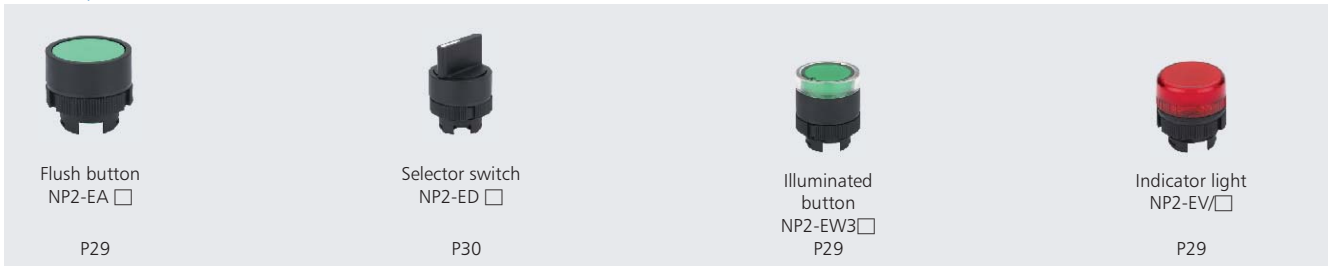
Seperated modulars Head

★ Head-metal

 Flush button NP2-BA □ P29	 Illuminated button NP2-BW3 □ P29	 Illuminated button NP2-EW3 □ P29	 Selector switch NP2-BD □ P30	 Key switch NP2-BG □ P30
--	---	---	---	--



★ Head-plastic



Adaptor

Metal



Plastic



Base



Accessories

Bulbs



Warning Label



Water-proof enclosure





NP2 Pilot Device

1. General information

Electric ratings: AC50/60Hz, AC380V/DC220V;
Degree of protection: IP40
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: II

3. Technical data

- 3.1 Rated insulation voltage U_i : 415V
- 3.2 Conventional thermal current I_{th} : 10A

Rated operational voltage U_e (V)	Rated operational current I_e (A)	
	AC-15	DC-13
415	1.9	-
240	3	0.27
125	-	0.55

3.3 Durability

Electric life: Flush-headed and mushroom-headed type: AC 5×10^5 operation circles, DC 2×10^5 operation circles; other type: 1×10^5 operation circles;
Mechanical life: flush-headed and mushroom-headed type: 1 million operation circles, button with light: 3×10^5 operation circles; other type: 1×10^5 operation circles.

4. Data of lamps of illuminated button

Basic parameters	Direct type
	LED lamp
Rated operational current I_e	$I_e \leq 20\text{mA}$
Rated operational voltage (V)	AC/DC 6, 12, 24, 48, 110, 230
	Transformer type 6V LED lamp
Power supply rated operational current I_e	$I_e \leq 20\text{mA}$
Rated operational voltage (V)	AC/DC 230, 380

5. Features

- 5.1 No-dismounting of the button from the front side thanks to anti-moving operating part of metal type button;
- 5.2 Reliable contacting could be ensured because of dual functions of circuit switching and self-cleaning for all contacting points;
- 5.3 NC and NO contacting assemblies are independent to each other, and could be freely combined for convenient replacement;
- 5.4 Concealed connection terminals make the operation safe and reliable. Elegant appearance due to adoption of Aluminum and Zinc alloy in metal type button operating parts and bases;



Pushbuttons

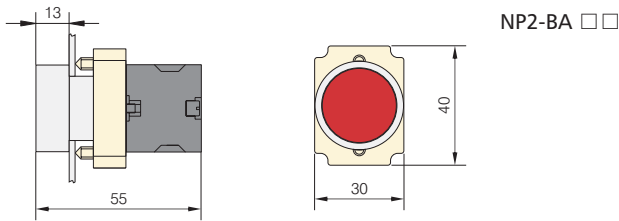
6. NP2 Pilot Device (Drill Plan $\phi 22.3$)

★ Momentary Flush Pushbutton (Non-illuminated)

NP2-BA □□	Model	Color	↖	↗
	NP2-BA11	○	1	—
	NP2-BA21	●	1	—
	NP2-BA31	●	1	—
	NP2-BA41	●	1	—
	NP2-BA51	●	1	—
	NP2-BA61	●	1	—
	NP2-BA12	○	—	1
	NP2-BA22	●	—	1
	NP2-BA32	●	—	1
	NP2-BA42	●	—	1
	NP2-BA52	●	—	1
	NP2-BA62	●	—	1



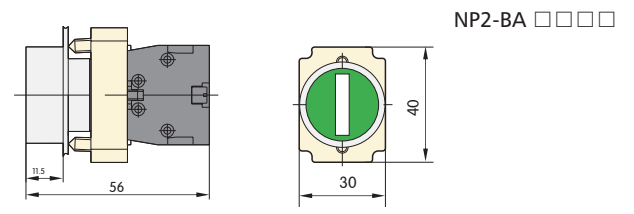
Dimensions (mm)



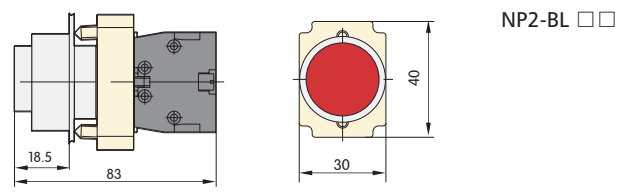
NP2-BA □□□□	Model	Color	↖	↗
	NP2-BA3311	ⓘ	1	—
	NP2-BA2365	ⓖ	1	1
	NP2-BA4322	Ⓢ	—	1
	NP2-BA2351	Ⓢ	1	—
	NP2-BA1345	Ⓢ	1	1



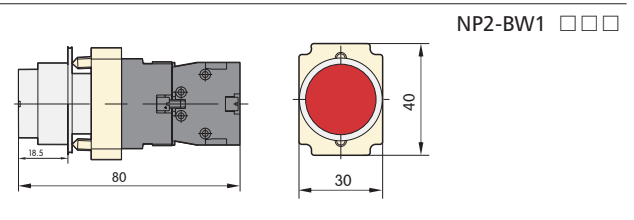
NP2-BA □□	Model	Color	↖	↗
	NP2-BA13	○	2	—
	NP2-BA23	●	2	—
	NP2-BA33	●	2	—
	NP2-BA43	●	2	—
	NP2-BA53	●	2	—
	NP2-BA63	●	2	—
	NP2-BA14	○	—	2
	NP2-BA24	●	—	2
	NP2-BA34	●	—	2
	NP2-BA44	●	—	2
	NP2-BA54	●	—	2
	NP2-BA64	●	—	2
	NP2-BA15	○	1	1
	NP2-BA25	●	1	1
	NP2-BA35	●	1	1
	NP2-BA45	●	1	1
	NP2-BA55	●	1	1
	NP2-BA65	●	1	1



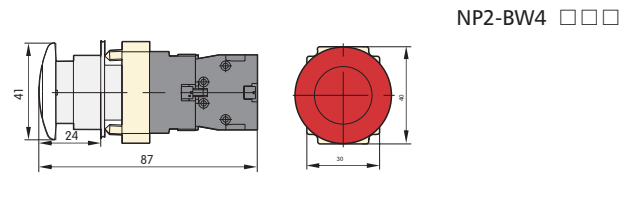
NP2-BL □□	Model	Color	↖	↗
	NP2-BL42	●	—	1
	NP2-BL31	●	1	—
	NP2-BL55	●	1	1
	NP2-BL65	●	1	1
	NP2-BL15	○	1	1
	NP2-BL21	●	1	—



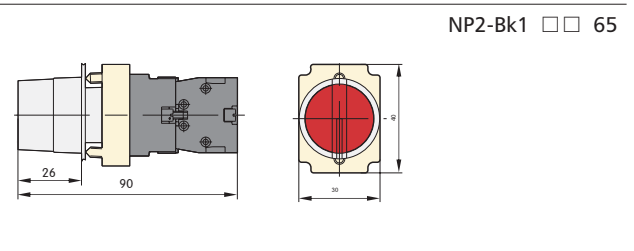
NP2-BA □□	Model	Color	↖	↗	Note
	NP2-BW1161 6V	○	1	—	Direct, 6V~380V
	NP2-BW1361 6V	●	1	—	
	NP2-BW1462 6V	●	—	1	
	NP2-BW1561 6V	●	1	—	
	NP2-BW1661 6V	●	1	—	































NP2-BA □□	Model	Color	↖	↗	Note
	NP2-BW4161 6V	○	1	—	Direct, 6V~380V
	NP2-BW4361 6V	●	1	—	
	NP2-BW4462 6V	●	—	1	
	NP2-BW4561 6V	●	1	—	
	NP2-BW4661 6V	●	1	—	



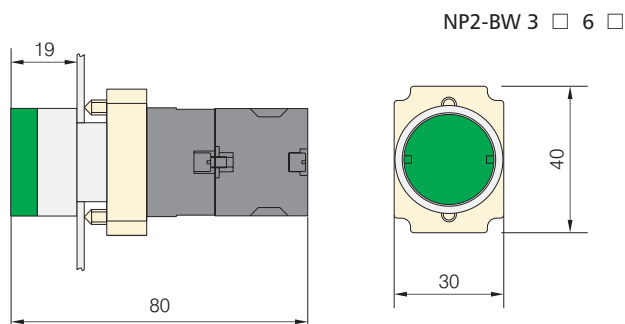
NP2-BA □□	Model	Color	↖	↗	Note
	NP2-BK12365 6V	●	1	1	Two-position locked
	NP2-BK12465 6V	●	1	1	
	NP2-BK12565 6V	●	1	1	
	NP2-BK13365 6V	●	1	1	
	NP2-BK13465 6V	●	1	1	
	NP2-BK13565 6V	●	1	1	



★ Momentary Flush Pushbutton (Illuminated)

NP2-BW □□	Lamp-Voltage	Model	Color		
	LED : AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3161 (LED)		1	—
		NP2-BW3361 (LED)		1	—
		NP2-BW3461 (LED)		1	—
		NP2-BW3561 (LED)		1	—
		NP2-BW3661 (LED)		1	—
		NP2-BW3162 (LED)		—	1
		NP2-BW3362 (LED)		—	1
		NP2-BW3462 (LED)		—	1
		NP2-BW3562 (LED)		—	1
		NP2-BW3662 (LED)		—	1
	LED : AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3163 (LED)		2	—
		NP2-BW3363 (LED)		2	—
		NP2-BW3463 (LED)		2	—
		NP2-BW3563 (LED)		2	—
		NP2-BW3663 (LED)		2	—
		NP2-BW3164 (LED)		—	2
		NP2-BW3364 (LED)		—	2
		NP2-BW3464 (LED)		—	2
		NP2-BW3564 (LED)		—	2
		NP2-BW3664 (LED)		—	2
	LED : AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3165 (LED)		1	1
		NP2-BW3365 (LED)		1	1
		NP2-BW3465 (LED)		1	1
		NP2-BW3665 (LED)		1	1

Dimensions (mm)

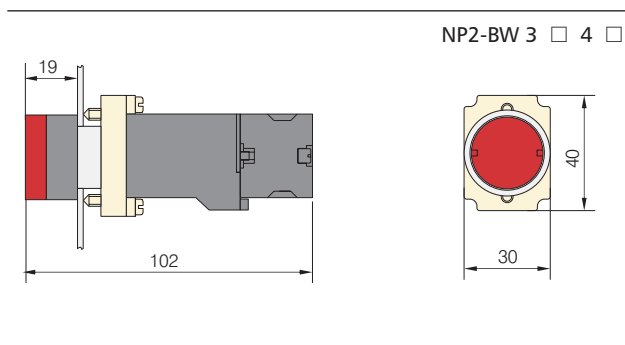


Pushbuttons

★ Momentary Flush Pushbutton (Illuminated)-(transformer type) Momentary Flush Pushbutton (Illuminated)-(transformer type)

NP2-BW □ □	Lamp-Voltage	Model	Color	1	2
		NP2-BW3141	○	1	—
		NP2-BW3341	●	1	—
		NP2-BW3441	●	1	—
		NP2-BW3541	●	1	—
		NP2-BW3641	●	1	—
		NP2-BW3142	○	—	1
		NP2-BW3342	●	—	1
		NP2-BW3442	●	—	1
		NP2-BW3542	●	—	1
	(Transformer Type) INCANDSCANCE: AC 230V & LED: AC 230V	NP2-BW3642	●	—	1
		NP2-BW3143	○	2	—
		NP2-BW3343	●	2	—
		NP2-BW3443	●	2	—
		NP2-BW3543	●	2	—
		NP2-BW3643	●	2	—
		NP2-BW3144	○	—	2
		NP2-BW3344	●	—	2
		NP2-BW3444	●	—	2
		NP2-BW3544	●	—	2
		NP2-BW3644	●	—	2
			(Transformer Type) LED: AC 380V	NP2-BW3145	○
NP2-BW3345	●			1	1
NP2-BW3445	●			1	1
NP2-BW3545	●			1	1
NP2-BW3645	●			1	1
NP2-BW3151	○			1	—
NP2-BW3351	●			1	—
NP2-BW3451	●			1	—
NP2-BW3551	●			1	—
NP2-BW3651	●			1	—
NP2-BW3152	○	—	1		
NP2-BW3352	●	—	1		
NP2-BW3452	●	—	1		
NP2-BW3552	●	—	1		
NP2-BW3652	●	—	1		

Dimensions (mm)



★ $\phi 40$ Momentary Mushroom head button(non-illuminated)

NP2-BC □□	Model	Color	↖	↗
		NP2-BC11	○	1
	NP2-BC21	●	1	—
	NP2-BC31	●	1	—
	NP2-BC41	●	1	—
	NP2-BC51	●	1	—
	NP2-BC61	●	1	—
	NP2-BC12	○	—	1
	NP2-BC22	●	—	1
	NP2-BC32	●	—	1
	NP2-BC42	●	—	1
	NP2-BC52	●	—	1
	NP2-BC62	●	—	1



NP2-BC □□	Model	Color	↖	↗
		NP2-BC13	○	2
	NP2-BC23	●	2	—
	NP2-BC33	●	2	—
	NP2-BC43	●	2	—
	NP2-BC53	●	2	—
	NP2-BC63	●	2	—
	NP2-BC14	○	—	2
	NP2-BC24	●	—	2
	NP2-BC34	●	—	2
	NP2-BC44	●	—	2
	NP2-BC54	●	—	2
	NP2-BC64	●	—	2
	NP2-BC15	○	1	1
	NP2-BC25	●	1	1
	NP2-BC35	●	1	1
	NP2-BC45	●	1	1
	NP2-BC55	●	1	1
	NP2-BC65	●	1	1



★ $\phi 60$ Momentary Mushroom head button(non-illuminated)

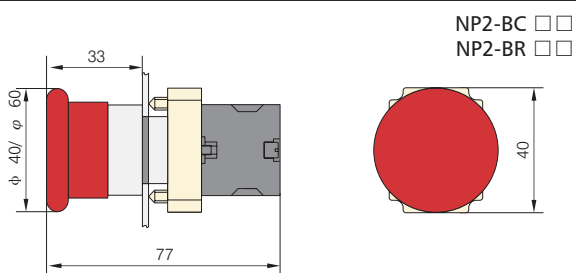
NP2-BR □□	Model	Color	↖	↗
		NP2-BR11	○	1
	NP2-BR21	●	1	—
	NP2-BR31	●	1	—
	NP2-BR41	●	1	—
	NP2-BR51	●	1	—
	NP2-BR61	●	1	—
	NP2-BR12	○	—	1
	NP2-BR22	●	—	1
	NP2-BR32	●	—	1
	NP2-BR42	●	—	1
	NP2-BR52	●	—	1
	NP2-BR62	●	—	1



NP2-BR □□	Model	Color	↖	↗
		NP2-BR13	○	2
	NP2-BR23	●	2	—
	NP2-BR33	●	2	—
	NP2-BR43	●	2	—
	NP2-BR53	●	2	—
	NP2-BR63	●	2	—
	NP2-BR14	○	—	2
	NP2-BR24	●	—	2
	NP2-BR34	●	—	2
	NP2-BR44	●	—	2
	NP2-BR54	●	—	2
	NP2-BR64	●	—	2
	NP2-BR15	○	1	1
	NP2-BR25	●	1	1
	NP2-BR35	●	1	1
	NP2-BR45	●	1	1
	NP2-BR55	●	1	1
	NP2-BR65	●	1	1



Dimensions (mm)

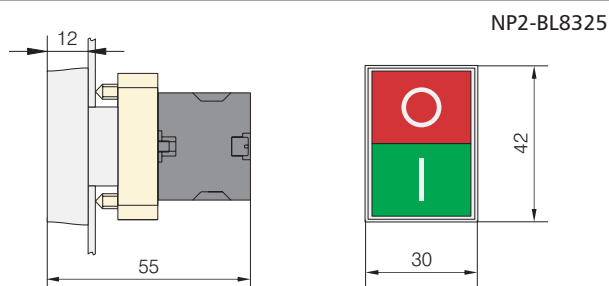


★ Double-headed flush momentary button (Non-illuminated)

NP2-BL8 □□	Lamp-Voltage	Model	Color	↖	↗
	-----	NP2-BL8325	● + ●	1	1
	-----	NP2-BL8425	● + ●	1	1



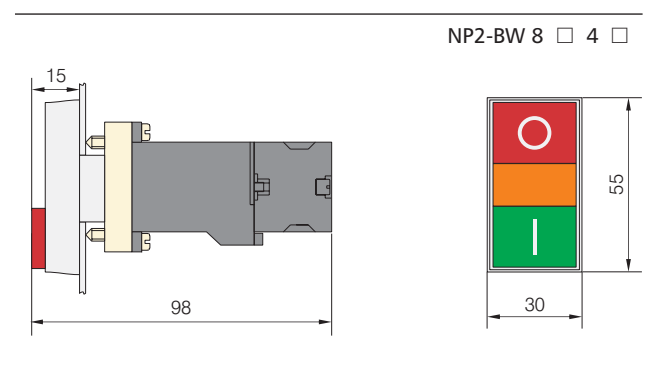
Dimensions (mm)



★ Double-headed flush momentary button (Illuminated)

NP2-BW8 □□	Lamp-Voltage	Model	Color	↖	↗
	LED : AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW8465	● + ●	1	1
	AC 6V, 12V, 24V, 36V, 48V	NP2-BW8465	● + ●	1	1
	Transformer Type: LED: AC 230V	NP2-BW8445	● + ●	1	1
	Transformer Type: LED: AC 380V	NP2-BW8455	● + ●	1	1

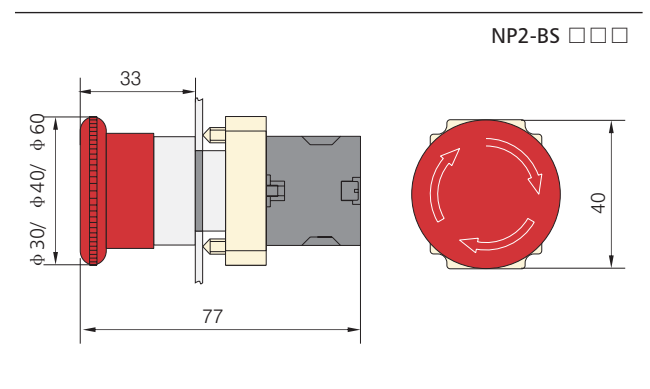
Dimensions (mm)



★ Mushroom button (Emergency Stop button)-(Non-illuminated)

NP2-BS □□	Mushroom-Diameter	Model	Color	↖	↗
	φ 30	NP2-BS441	—	1	—
		NP2-BS442	—	—	1
	φ 40	NP2-BS541	●	1	—
		NP2-BS542	—	—	1
φ 60	NP2-BS641	—	1	—	
	NP2-BS642	—	—	1	
	φ 30	NP2-BS443	—	2	—
		NP2-BS444	—	—	2
		NP2-BS445	—	1	1
	φ 40	NP2-BS543	—	2	—
		NP2-BS544	●	—	2
		NP2-BS545	—	1	1
	φ 60	NP2-BS643	—	2	—
		NP2-BS644	—	—	2
		NP2-BS645	—	1	1

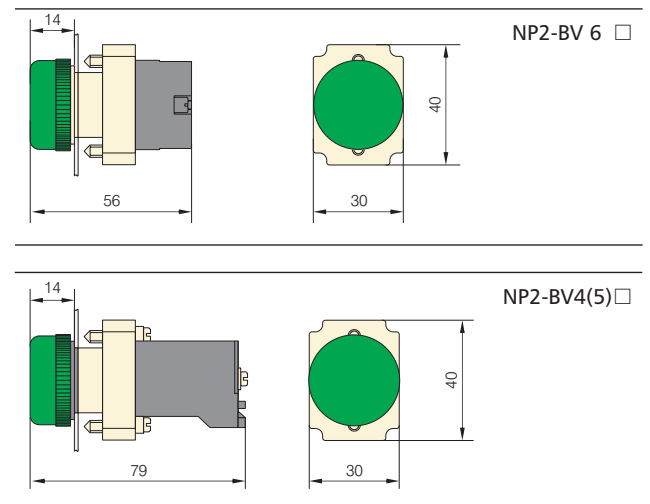
Dimensions (mm)



★ Indicator

NP2-BV □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●
	LED: AC 6V Transformer 230V	NP2-BV41	○
		NP2-BV43	●
		NP2-BV44	●
		NP2-BV45	●
		NP2-BV46	●
	LED: AC 6V Transformer 380V	NP2-BV51	○
		NP2-BV53	●
		NP2-BV54	●
		NP2-BV55	●
		NP2-BV56	●

Dimensions (mm)



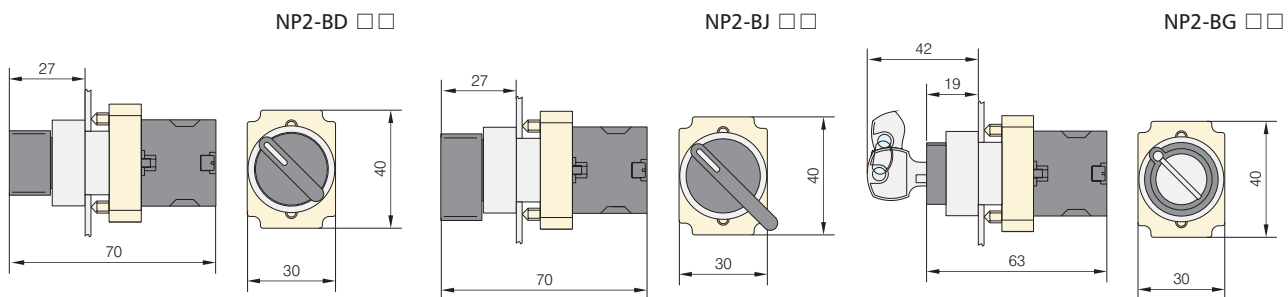
★ Selector Switches (2 positions)-(Non-illuminated)

NP2-BD (J, G) □□	Metal	Selector Switches		
	NP2-BD21		1	—
	NP2-BD22		—	1
	NP2-BD23		2	—
	NP2-BD24		—	2
	NP2-BD25		1	1
	NP2-BD41		1	—
	NP2-BD42		—	1
	NP2-BD43		2	—
	NP2-BD44		—	2
	NP2-BD45		1	1
	NP2-BJ21		1	—
	NP2-BJ22		—	1
	NP2-BJ23		2	—
	NP2-BJ24		—	2
	NP2-BJ25		1	1
	NP2-BJ41		1	—
	NP2-BJ42		—	1
	NP2-BJ43		2	—
	NP2-BJ44		—	2
	NP2-BJ45		1	1
	NP2-BG21		1	—
	NP2-BG22		—	1
	NP2-BG23		2	—
	NP2-BG24		—	2
	NP2-BG25		1	1
	NP2-BG21B		1	—
	NP2-BG22B		—	1
	NP2-BG23B		2	—
	NP2-BG24B		—	2
	NP2-BG25B		1	1
	NP2-BG41		1	—
	NP2-BG42		—	1
	NP2-BG43		2	—
	NP2-BG44		—	2
	NP2-BG45		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

NP2-BD (J, G) □□	Metal	Selector Switches			
	NP2-BD31		1	—	
	NP2-BD32		—	1	
	NP2-BD33		2	—	
	NP2-BD34		—	2	
	NP2-BD35		1	1	
	NP2-BD51		1	—	
	NP2-BD52		—	1	
	NP2-BD53		2	—	
	NP2-BD54		—	2	
	NP2-BD55		1	1	
		NP2-BJ31		1	—
		NP2-BJ32		—	1
		NP2-BJ33		2	—
		NP2-BJ34		—	2
		NP2-BJ35		1	1
NP2-BJ51			1	—	
NP2-BJ52			—	1	
NP2-BJ53			2	—	
NP2-BJ54			—	2	
NP2-BJ55			1	1	
		NP2-BG31		1	—
		NP2-BG32		—	1
		NP2-BG33		2	—
		NP2-BG34		—	2
		NP2-BG35		1	1
	NP2-BG51		1	—	
	NP2-BG52		—	1	
	NP2-BG53		2	—	
	NP2-BG54		—	2	
	NP2-BG55		1	1	
	NP2-BG31D		1	—	
	NP2-BG32D		—	1	
	NP2-BG33D		2	—	
	NP2-BG34D		—	2	
	NP2-BG35D		1	1	

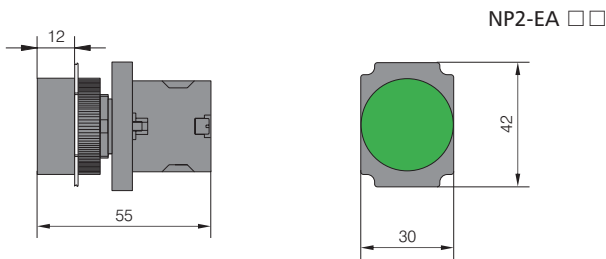
Dimensions (mm)



★ Momentary Flush Pushbutton (Non-illuminated)

NP2-EA □□	Model	Color	Switch	
			↘	↙
	NP2-EA11	○	1	—
	NP2-EA21	●	1	—
	NP2-EA31	●	1	—
	NP2-EA41	●	1	—
	NP2-EA51	●	1	—
	NP2-EA61	●	1	—
	NP2-EA12	○	—	1
	NP2-EA22	●	—	1
	NP2-EA32	●	—	1
	NP2-EA42	●	—	1
	NP2-EA52	●	—	1
	NP2-EA62	●	—	1

Dimensions (mm)



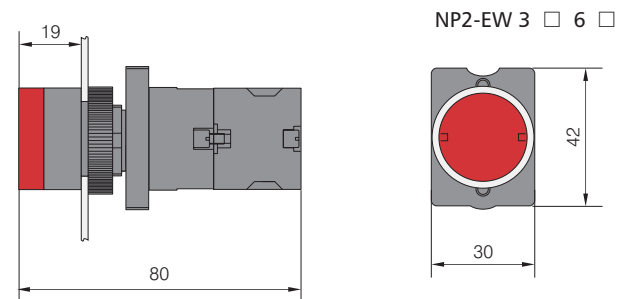
NP2-EA □□	Model	Color	Switch	
			↘	↙
	NP2-EA13	○	2	—
	NP2-EA23	●	2	—
	NP2-EA33	●	2	—
	NP2-EA43	●	2	—
	NP2-EA53	●	2	—
	NP2-EA63	●	2	—
	NP2-EA14	○	—	2
	NP2-EA24	●	—	2
	NP2-EA34	●	—	2
	NP2-EA44	●	—	2
	NP2-EA54	●	—	2
	NP2-EA64	●	—	2
	NP2-EA15	○	1	1
	NP2-EA25	●	1	1
	NP2-EA35	●	1	1
	NP2-EA45	●	1	1
	NP2-EA55	●	1	1
	NP2-EA65	●	1	1

★ Momentary Flush Pushbutton (Illuminated)


NP2-EW3 □□	Lamp-Voltage	Model	Color	Switch	
				↘	↙
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3161	○	1	—
		NP2-EW3361	●	1	—
		NP2-EW3461	●	1	—
		NP2-EW3561	●	1	—
		NP2-EW3661	●	1	—
		NP2-EW3162	○	—	1
		NP2-EW3362	●	—	1
		NP2-EW3462	●	—	1
		NP2-EW3562	●	—	1
		NP2-EW3662	●	—	1
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3163	○	2	—
		NP2-EW3363	●	2	—
		NP2-EW3463	●	2	—
		NP2-EW3563	●	2	—
		NP2-EW3663	●	2	—
		NP2-EW3164	○	—	2
		NP2-EW3364	●	—	2
		NP2-EW3464	●	—	2
		NP2-EW3564	●	—	2
		NP2-EW3664	●	—	2


NP2-EW3 □□	Lamp-Voltage	Model	Color	Switch	
				↘	↙
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3165	○	1	1
		NP2-EW3365	●	1	1
		NP2-EW3465	●	1	1
		NP2-EW3565	●	1	1
		NP2-EW3665	●	1	1

Dimensions (mm)



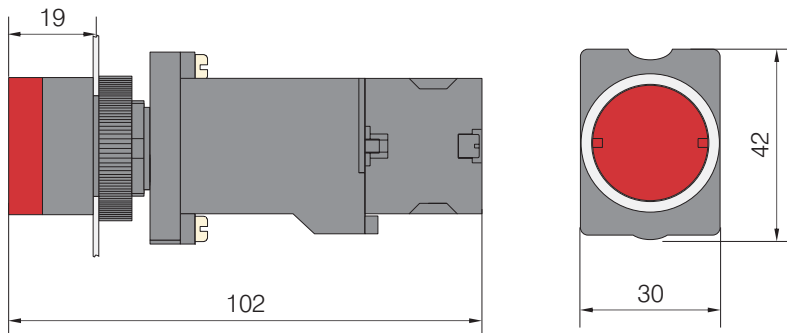
★ Momentary Flush Pushbutton (transformer type) (Illuminated)

NP2-EW3 □□	Lamp-Voltage	Model	Color	↙	↘
	Transformer Type: LED: AC 230V	NP2-EW3141	○	1	—
		NP2-EW3341	●	1	—
		NP2-EW3441	●	1	—
		NP2-EW3541	●	1	—
		NP2-EW3641	●	1	—
		NP2-EW3142	○	—	1
		NP2-EW3342	●	—	1
		NP2-EW3442	●	—	1
		NP2-EW3542	●	—	1
		NP2-EW3642	●	—	1
		NP2-EW3143	○	2	—
		NP2-EW3343	●	2	—
		NP2-EW3443	●	2	—
		NP2-EW3543	●	2	—
		NP2-EW3643	●	2	—
		NP2-EW3144	○	—	2
		NP2-EW3344	●	—	2
		NP2-EW3444	●	—	2
		NP2-EW3544	●	—	2
		NP2-EW3644	●	—	2
NP2-EW3145	○	1	1		
NP2-EW3345	●	1	1		
NP2-EW3445	●	1	1		
NP2-EW3545	●	1	1		
NP2-EW3645	●	1	1		

NP2-EW3 □□	Lamp-Voltage	Model	Color	↙	↘
	Transformer Type: LED: AC 380V	NP2-EW3151	○	1	—
		NP2-EW3351	●	1	—
		NP2-EW3451	●	1	—
		NP2-EW3551	●	1	—
		NP2-EW3651	●	1	—
		NP2-EW3152	○	—	1
		NP2-EW3352	●	—	1
		NP2-EW3452	●	—	1
		NP2-EW3552	●	—	1
		NP2-EW3652	●	—	1
		NP2-EW3153	○	2	—
		NP2-EW3353	●	2	—
		NP2-EW3453	●	2	—
		NP2-EW3553	●	2	—
		NP2-EW3653	●	2	—
		NP2-EW3154	○	—	2
		NP2-EW3354	●	—	2
		NP2-EW3454	●	—	2
		NP2-EW3554	●	—	2
		NP2-EW3654	●	—	2
NP2-EW3155	○	1	1		
NP2-EW3355	●	1	1		
NP2-EW3455	●	1	1		
NP2-EW3555	●	1	1		
NP2-EW3655	●	1	1		

Dimensions (mm)

NP2-EW 3 □ 4 □



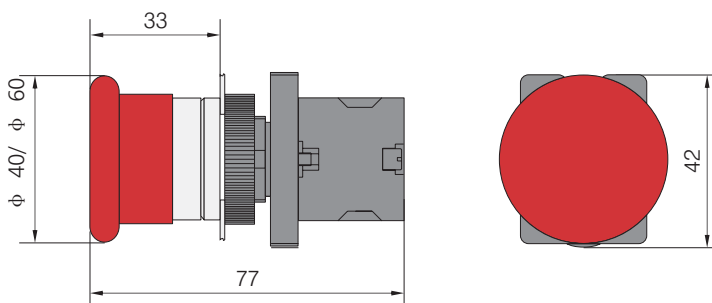
★ ϕ 40 Momentary Mushroom button -(Non-illuminated)

NP2-EC □□	Model	Color		
	NP2-EC11	○	1	—
	NP2-EC21	●	1	—
	NP2-EC31	●	1	—
	NP2-EC41	●	1	—
	NP2-EC51	●	1	—
	NP2-EC61	●	1	—
	NP2-EC12	○	—	1
	NP2-EC22	●	—	1
	NP2-EC32	●	—	1
	NP2-EC42	●	—	1
	NP2-EC52	●	—	1
	NP2-EC62	●	—	1
	NP2-EC13	○	2	—
	NP2-EC23	●	2	—
	NP2-EC33	●	2	—
	NP2-EC43	●	2	—
	NP2-EC53	●	2	—
	NP2-EC63	●	2	—
	NP2-EC14	○	—	2
	NP2-EC24	●	—	2
	NP2-EC34	●	—	2
	NP2-EC44	●	—	2
	NP2-EC54	●	—	2
	NP2-EC64	●	—	2
	NP2-EC15	○	1	1
	NP2-EC25	●	1	1
	NP2-EC35	●	1	1
	NP2-EC45	●	1	1
	NP2-EC55	●	1	1
	NP2-EC65	●	1	1

★ ϕ 60 Momentary Mushroom button -(Non-illuminated)

NP2-ER □□	Model	Color		
	NP2-ER11	○	1	—
	NP2-ER21	●	1	—
	NP2-ER31	●	1	—
	NP2-ER41	●	1	—
	NP2-ER51	●	1	—
	NP2-ER61	●	1	—
	NP2-ER12	○	—	1
	NP2-ER22	●	—	1
	NP2-ER32	●	—	1
	NP2-ER42	●	—	1
	NP2-ER52	●	—	1
	NP2-ER62	●	—	1
	NP2-ER13	○	2	—
	NP2-ER23	●	2	—
	NP2-ER33	●	2	—
	NP2-ER43	●	2	—
	NP2-ER53	●	2	—
	NP2-ER63	●	2	—
	NP2-ER14	○	—	2
	NP2-ER24	●	—	2
	NP2-ER34	●	—	2
	NP2-ER44	●	—	2
	NP2-ER54	●	—	2
	NP2-ER64	●	—	2
	NP2-ER15	○	1	1
	NP2-ER25	●	1	1
	NP2-ER35	●	1	1
	NP2-ER45	●	1	1
	NP2-ER55	●	1	1
	NP2-ER65	●	1	1





Dimensions (mm)



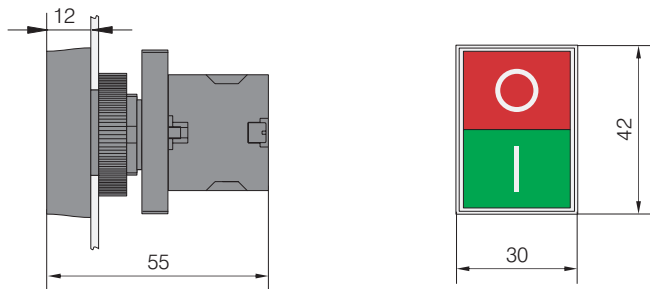
NP2-EC □□
 NP2-ER □□



★ Double-headed flush momentary button -(Non-illuminated)






NP2-EL8 □□	Lamp-Voltage	Model	Color	{	}
	-----	NP2-EL8325		1	1
	-----	NP2-EL8425		1	1

Dimensions (mm)

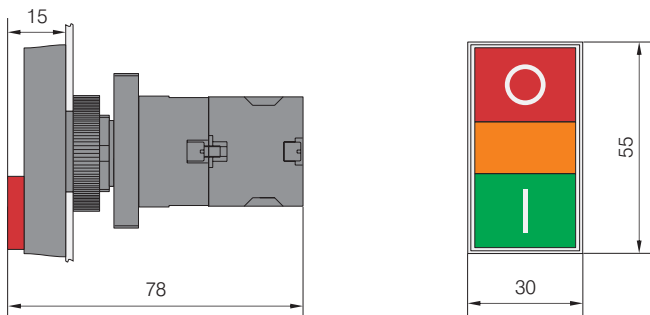


NP2-EL8325

★ Double-headed flush momentary button (Illuminated)





NP2-EW8 □□	Lamp-Voltage	Model	Color	{	}
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW8465		1	1
	INCANDESCENCE LED: AC 6V Transformer: 230V	NP2-EW8445		1	1
	INCANDESCENCE LED: AC 6V Transformer: 380V	NP2-EW8455		1	1

Dimensions (mm)

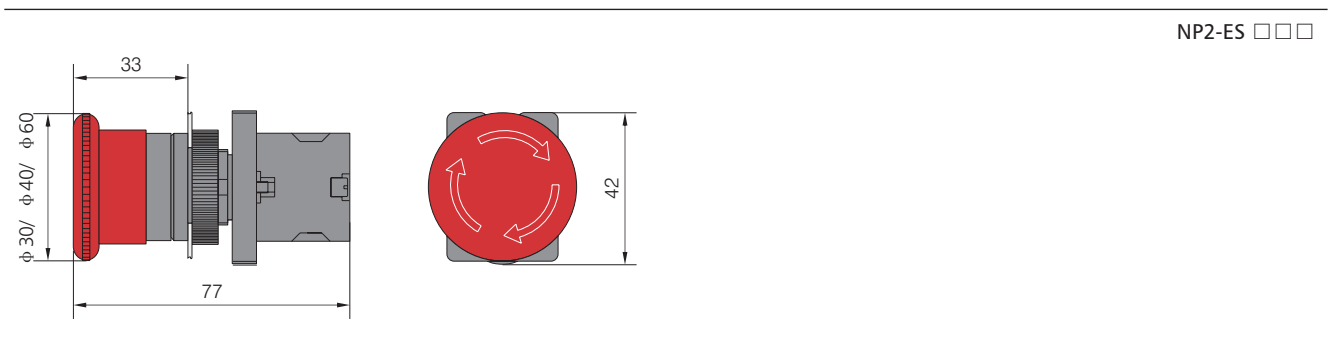


NP2-EW 8 □ 6 □



★ Mushroom button (Emergency Stop button)-(Non-illuminated)

NP2-ES □□	Mushroom-Diameter	Model	Color		
	φ 30	NP2-ES441		1	—
		NP2-ES442		—	1
	φ 40	NP2-ES541		1	—
		NP2-ES542		—	1
	φ 60	NP2-ES641		1	—
		NP2-ES642		—	1
	φ 30	NP2-ES443		2	—
		NP2-ES444		—	2
	φ 40	NP2-ES445		1	1
		NP2-ES543		2	—
	φ 40	NP2-ES544		—	2
		NP2-ES545		1	1
	φ 60	NP2-ES643		2	—
		NP2-ES644		—	2
	NP2-ES645	1		1	

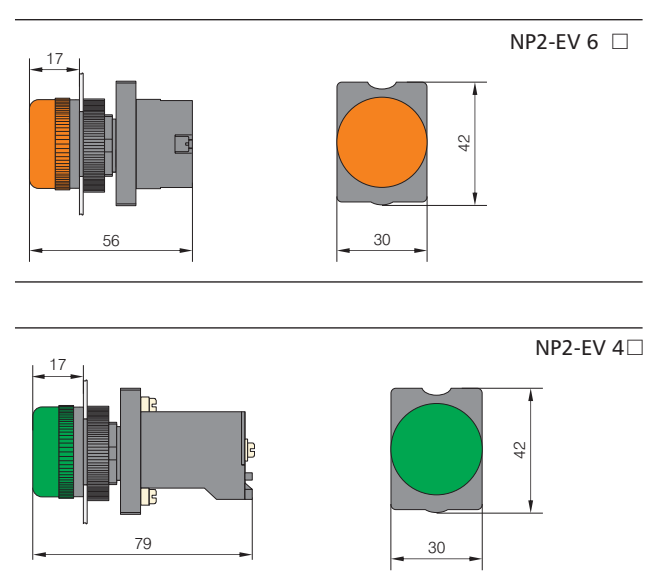
Dimensions (mm)




★ Indicator

NP2-EV □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV61	○
		NP2-EV63	●
		NP2-EV64	●
		NP2-EV65	●
		NP2-EV66	●
		NP2-EV41	○
	INCANDESCENCE LED: AC 6V Transformer: 230V	NP2-EV43	●
		NP2-EV44	●
		NP2-EV45	●
		NP2-EV46	●
		NP2-EV51	○
	INCANDESCENCE LED: AC 6V Transformer: 380V	NP2-EV53	●
		NP2-EV54	●
		NP2-EV55	●
		NP2-EV56	●







Dimensions (mm)









★ Indicator (compact)

NP2-EV16 □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV161	○
		NP2-EV163	●
		NP2-EV164	●
		NP2-EV165	●
		NP2-EV166	●

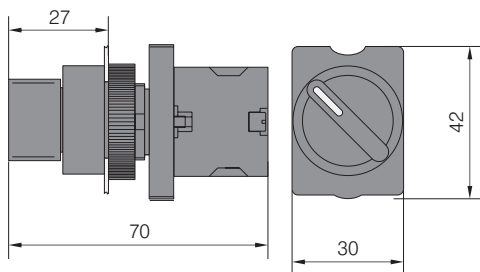
★ Selector Switches (2 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘
	NP2-ED21		1	—
	NP2-ED22		—	1
	NP2-ED23		2	—
	NP2-ED24		—	2
	NP2-ED25		1	1
	NP2-ED41		1	—
	NP2-ED42		—	1
	NP2-ED43		2	—
	NP2-ED44		—	2
	NP2-ED45		1	1
	NP2-EJ21		1	—
	NP2-EJ22		—	1
	NP2-EJ23		2	—
	NP2-EJ24		—	2
	NP2-EJ25		1	1
	NP2-EJ41		1	—
	NP2-EJ42		—	1
	NP2-EJ43		2	—
	NP2-EJ44		—	2
	NP2-EJ45		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘
	NP2-ED31		1	—
	NP2-ED32		—	1
	NP2-ED33		2	—
	NP2-ED34		—	2
	NP2-ED35		1	1
	NP2-ED51		1	—
	NP2-ED52		—	1
	NP2-ED53		2	—
	NP2-ED54		—	2
	NP2-ED55		1	1
	NP2-EJ31		1	—
	NP2-EJ32		—	1
	NP2-EJ33		2	—
	NP2-EJ34		—	2
	NP2-EJ35		1	1
	NP2-EJ51		1	—
	NP2-EJ52		—	1
	NP2-EJ53		2	—
	NP2-EJ54		—	2
	NP2-EJ55		1	1

Dimensions (mm)



NP2-ED □□

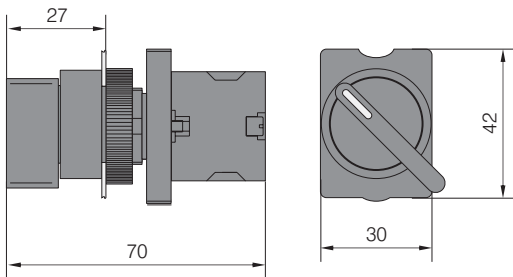
★ Selector Switches (2 positions)-(Non-illuminated)

NP2-ED (J、G) □□	Metal	Selector Switches	↖	↗
	NP2-EG21		1	—
	NP2-EG22		—	1
	NP2-EG23		2	—
	NP2-EG24		—	2
	NP2-EG25	1	1	
	NP2-EG41		1	—
	NP2-EG42		—	1
	NP2-EG43		2	—
	NP2-EG44		—	2
	NP2-EG45		1	1
	NP2-EG21B		1	—
	NP2-EG22B		—	1
	NP2-EG23B		2	—
	NP2-EG24B		—	2
	NP2-EG25B		1	1

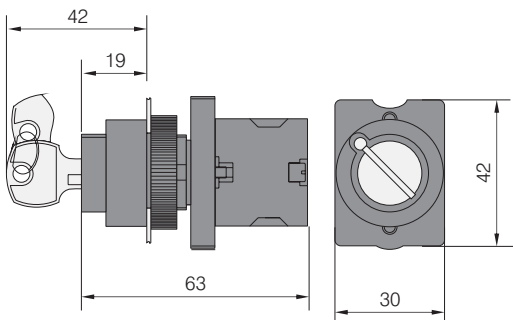
★ Selector Switches (3 positions)-(Non-illuminated)

NP2-ED (J、G) □□	Metal	Selector Switches	↖	↗
	NP2-EG31		1	—
	NP2-EG32		—	1
	NP2-EG33		2	—
	NP2-EG34		—	2
	NP2-EG35		1	1
	NP2-EG51		1	—
	NP2-EG52		—	1
	NP2-EG53		2	—
	NP2-EG54		—	2
	NP2-EG55		1	1
	NP2-EG31D		1	—
	NP2-EG32D		—	1
	NP2-EG33D		2	—
	NP2-EG34D		—	2
	NP2-EG35D	1	1	

NP2-EJ □□





NP2-EG □□




Head


★ Flush Momentary button-(Non-illuminated)

NP2-BA □	Metal	Specifications
	NP2-BA1	○
	NP2-BA2	●
	NP2-BA3	●
	NP2-BA4	●
	NP2-BA5	●
	NP2-BA6	●


NP2-EA □	Plastic	Specifications
	NP2-EA1	○
	NP2-EA2	●
	NP2-EA3	●
	NP2-EA4	●
	NP2-EA5	●
	NP2-EA6	●


★ Flush Momentary button-(Illuminated)

NP2-BW3 □	Metal	Specifications
	NP2-BW31	○
	NP2-BW33	●
	NP2-BW34	●
	NP2-BW35	●
	NP2-BW36	●


NP2-EW3 □	Plastic	Specifications
	NP2-EW31	○
	NP2-EW33	●
	NP2-EW34	●
	NP2-EW35	●
	NP2-EW36	●

★ Double head button-(Non-illuminated)

NP2-BL □□□	Metal	Specifications
	NP2-BL832	Flush button
	NP2-BL842	Flush button + projecting button


NP2-EL □□□	Plastic	Specifications
	NP2-EL832	Flush button
	NP2-EL842	Flush button + projecting button


★ Double head button-(Illuminated)

NP2-BW □□	Metal	Specifications
	NP2-BW84	Flush button + projecting button



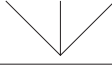
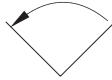

NP2-EW □□	Plastic	Specifications
	NP2-EW84	Flush button + projecting button



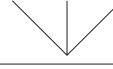
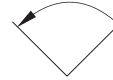
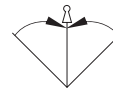
★ Indicator light

NP2-BV/ □	Metal	Specifications
	NP2-BV/1	○
	NP2-BV/3	●
	NP2-BV/4	●
	NP2-BV/5	●
	NP2-BV/6	●




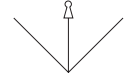
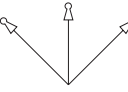
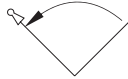

NP2-EV/ □	Plastic	Specifications
	NP2-EV/1	○
	NP2-EV/3	●
	NP2-EV/4	●
	NP2-EV/5	●
	NP2-EV/6	●


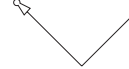

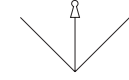
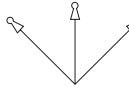
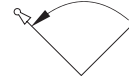

★ Head of Selector Switch-(Non-illuminated)

NP2-BD/ □	Metal	Specifications
	NP2-BD2	
	NP2-BD3	
	NP2-BD4	
	NP2-BD5	

NP2-ED/ □	Plastic	Specifications
	NP2-ED2	
	NP2-ED3	
	NP2-ED4	
	NP2-ED5	


★ Head of Key Selected Switch-(Non-illuminated)

NP2-BG □	Metal	Specifications
	NP2-BG2	
	NP2-BG2B	
	NP2-BG3	
	NP2-BG3D	
	NP2-BG4	
	NP2-BG5	



NP2-EG □	Plastic	Specifications
	NP2-EG2	
	NP2-EG2B	
	NP2-EG3	
	NP2-EG3D	
	NP2-EG4	
	NP2-EG5	


★ Holder

NP2-BZ009	Metal	Specifications
	NP2-BZ009	For NP2-B □□



NP2-EZ009	Plastic	Specifications
	NP2-EZ009	For NP2-E □□



★ Warning label

NP2-BY	Metal	Specifications
	NP2-BY9101	φ 60 (printed)
	NP2-BY9330	φ 60 (blank)
	NP2-BY8101	φ 90 (printed)
	NP2-BY8330	φ 90 (blank)



NP2-BZ	Metal	Specifications
	NP2-BZ31	30mm(H)X45mm(L)

★ Head-enclosure of Push-button- (Water proof)



	Specifications
	For NP2-BP
	For NP2-BA(EA)

	Specifications
	For NP2-BL(EL)832
	For NP2-BL(EL)842


★ Contact block


NP2-BE □□□	Metal	Specifications
	NP2-BE101	NO Contact
	NP2-BE102	NC Contact

★ Base for Illuminated (without bulb)

NP2-EW □/EV □	Metal	Specifications
	NP2-EW6/EV6	Direct type
	NP2-EW4/EV4 220V	Transformer type
	NP2-EW5/EV5 380V	

★ Lamp (LED)

BA9s	Specifications	
	AC/DC 6V	○
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 6V	●
	AC/DC 12V	○
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 12V	●
	AC/DC 24V	○
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 24V	●
	AC/DC 36V	○
	AC/DC 36V	●
AC/DC 36V	●	
AC/DC 36V	●	
AC/DC 36V	●	
AC/DC 48V	○	
AC/DC 48V	●	
AC/DC 48V	●	
AC/DC 48V	●	

BA9s	Specifications	
	AC/DC 48V	●
	AC/DC 110V	○
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 110V	●
	AC/DC 220V	○
	AC/DC 220V	●
	AC/DC 220V	●
	AC/DC 220V	●
	AC/DC 220V	●

★ Enclosure

PIC	Model
	NP2-B01
	NP2-B02
	NP2-B03
	NP2-J01
	NP2-B101H29
	NP2-B102
	NP2-B103
	NP2-B111H29

★ Enclosure

PIC	Model
	NP2-B112
	NP2-B114
	NP2-B132H29
	NP2-B142H29
	NP2-B164H29
	NP2-J174
	NP2-J174H29

★ Enclosure

PIC	Model
	NP2-B211H29
	NP2-B213
	NP2-B215
	NP2-B222
	NP2-B223

★ Enclosure

PIC	Model
	NP2-B311H29 (Forward, Stop, Reverse)
	NP2-B321H29 (Up, Stop, Down)
	NP2-B324

★ Enclosure

PIC	Model
	NP2-B334
	NP2-B339
	NP2-B341H29 (Close, Stop, Open)
	NP2-B361H29 (Stop, Start)

★ Enclosure

PIC	Model
	NP2-B363
	NP2-B366





NP6 Pushbutton

1. General information

Electric ratings: AC50/60Hz, AC230V/DC220V;
Degree of protection: IP40
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: II

3. Technical data

Rated insulated voltage U_i : 250V
Conventional heating current I_{th} : 3A

Rated operational voltage U_e (V)		24	110	220
	AC-15	-	0.7	0.5
Rated operational current I_e (A)	DC-13	0.7	-	0.1



Pushbuttons

4. Data of lamps of illuminated button

Rated operational voltage (V)	6	12	24
Rated operational current (mA)	≤20	≤20	≤20
Color			
Life (h)	≥30000		

4.1 Contact

Contact resistance: ≤50m Ω

4.2 Durability

Electric life (operation circles) Instantaneous button: AC: 500×10³, DC: 250×10³ Selector switch: 100×10³

Mechanical life (operation circles) Instantaneous button: 1×10⁶ Selector switch: 100×10³

★ Momentary Flush Pushbutton-(Non illuminated)

NP6-□□ B/ □ J	Model	Color	⏏
	NP6-11B/1J	○	1
	NP6-11B/2J	●	1
	NP6-11B/3J	●	1
	NP6-11B/4J	●	1
	NP6-11B/5J	●	1
	NP6-11B/6J	●	1
	NP6-11B/7J	●	1
	NP6-22B/1J	○	2
	NP6-22B/2J	●	2
	NP6-22B/3J	●	2
	NP6-22B/4J	●	2
	NP6-22B/5J	●	2
	NP6-22B/6J	●	2
	NP6-22B/7J	●	2

NP6-□□ B/ □ Y	Model	Color	⏏
	NP6-11B/1Y	○	1
	NP6-11B/2Y	●	1
	NP6-11B/3Y	●	1
	NP6-11B/4Y	●	1
	NP6-11B/5Y	●	1
	NP6-11B/6Y	●	1
	NP6-11B/7Y	●	1
	NP6-22B/1Y	○	2
	NP6-22B/2Y	●	2
	NP6-22B/3Y	●	2
	NP6-22B/4Y	●	2
	NP6-22B/5Y	●	2
	NP6-22B/6Y	●	2
	NP6-22B/7Y	●	2



★ Momentary Flush Pushbutton-(Non illuminated)(Maintained)

NP6-□□ B/ □ F	Model	Color	⏏
	NP6-11B/1F	○	1
	NP6-11B/2F	●	1
	NP6-11B/3F	●	1
	NP6-11B/4F	●	1
	NP6-11B/5F	●	1
	NP6-11B/6F	●	1
	NP6-11B/7F	●	1
	NP6-22B/1F	○	2
	NP6-22B/2F	●	2
	NP6-22B/3F	●	2
	NP6-22B/4F	●	2
	NP6-22B/5F	●	2
	NP6-22B/6F	●	2
	NP6-22B/7F	●	2

NP6-□□ BS/ □ J	Model	Color	⏏
	NP6-11BS/1J	○	1
	NP6-11BS/2J	●	1
	NP6-11BS/3J	●	1
	NP6-11BS/4J	●	1
	NP6-11BS/5J	●	1
	NP6-11BS/6J	●	1
	NP6-11BS/7J	●	1
	NP6-22BS/1J	○	2
	NP6-22BS/2J	●	2
	NP6-22BS/3J	●	2
	NP6-22BS/4J	●	2
	NP6-22BS/5J	●	2
	NP6-22BS/6J	●	2
	NP6-22BS/7J	●	2

NP6-□□ BS/ □ F	Model	Color	⚡
	NP6-11BS/1F	○	1
	NP6-11BS/2F	●	1
	NP6-11BS/3F	●	1
	NP6-11BS/4F	●	1
	NP6-11BS/5F	●	1
	NP6-11BS/6F	●	1
	NP6-11BS/7F	●	1
	NP6-22BS/1F	○	2
	NP6-22BS/2F	●	2
	NP6-22BS/3F	●	2
	NP6-22BS/4F	●	2
	NP6-22BS/5F	●	2
	NP6-22BS/6F	●	2
	NP6-22BS/7F	●	2

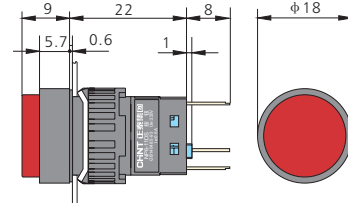
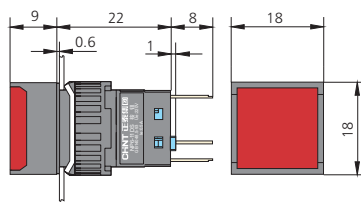
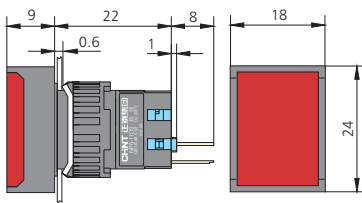
NP6-□□ BS/ □ Y	Model	Color	⚡
	NP6-11BS/1Y	○	1
	NP6-11BS/2Y	●	1
	NP6-11BS/3Y	●	1
	NP6-11BS/4Y	●	1
	NP6-11BS/5Y	●	1
	NP6-11BS/6Y	●	1
	NP6-11BS/7Y	●	1
	NP6-22BS/1Y	○	2
	NP6-22BS/2Y	●	2
	NP6-22BS/3Y	●	2
	NP6-22BS/4Y	●	2
	NP6-22BS/5Y	●	2
	NP6-22BS/6Y	●	2
	NP6-22BS/7Y	●	2

Dimensions (mm)

NP6-□□B□/□J

NP6- □□B□/□F

NP6-□□B□ /□Y



★ Momentary Flush Pushbutton-(Illuminated) (AC 6V,12V,24V)

★ Momentary Flush Pushbutton-(Illuminated)
(AC 6V,12V,24V , Maintained)



NP6-□□ D/ □ J	Model	Color	⚡
	NP6-11D/1J	○	1
	NP6-11D/3J	●	1
	NP6-11D/4J	●	1
	NP6-11D/5J	●	1
	NP6-11D/6J	●	1
	NP6-11D/7J	●	1
	NP6-22D/1J	○	2
	NP6-22D/3J	●	2
	NP6-22D/4J	●	2
	NP6-22D/5J	●	2
	NP6-22D/6J	●	2
	NP6-22D/7J	●	2



Rectangle 5PINS



NP6-□□ DS/ □ J	Model	Color	⚡
	NP6-11DS/1J	○	1
	NP6-11DS/3J	●	1
	NP6-11DS/4J	●	1
	NP6-11DS/5J	●	1
	NP6-11DS/6J	●	1
	NP6-11DS/7J	●	1
	NP6-22DS/1J	○	2
	NP6-22DS/3J	●	2
	NP6-22DS/4J	●	2
	NP6-22DS/5J	●	2
	NP6-22DS/6J	●	2
	NP6-22DS/7J	●	2



Rectangle 5PINS

Pushbuttons

NP6-□□ D/ □ F	Model	Color	⎓
 	NP6-11D/1F	○	1
	NP6-11D/3F	●	1
	NP6-11D/4F	●	1
	NP6-11D/5F	●	1
	NP6-11D/6F	●	1
	NP6-11D/7F	●	1
	NP6-22D/1F	○	2
	NP6-22D/3F	●	2
	NP6-22D/4F	●	2
	NP6-22D/5F	●	2
	NP6-22D/6F	●	2
	NP6-22D/7F	●	2

NP6-□□ DS/ □ F	Model	Color	⎓
 	NP6-11DS/1F	○	1
	NP6-11DS/3F	●	1
	NP6-11DS/4F	●	1
	NP6-11DS/5F	●	1
	NP6-11DS/6F	●	1
	NP6-11DS/7F	●	1
	NP6-22DS/1F	○	2
	NP6-22DS/3F	●	2
	NP6-22DS/4F	●	2
	NP6-22DS/5F	●	2
	NP6-22DS/6F	●	2
	NP6-22DS/7F	●	2

NP6-□□ D/ □ Y	Model	Color	⎓
  Round 5PINS	NP6-11D/1Y	○	1
	NP6-11D/3Y	●	1
	NP6-11D/4Y	●	1
	NP6-11D/5Y	●	1
	NP6-11D/6Y	●	1
	NP6-11D/7Y	●	1
	NP6-22D/1Y	○	2
	NP6-22D/3Y	●	2
	NP6-22D/4Y	●	2
	NP6-22D/5Y	●	2
	NP6-22D/6Y	●	2
	NP6-22D/7Y	●	2

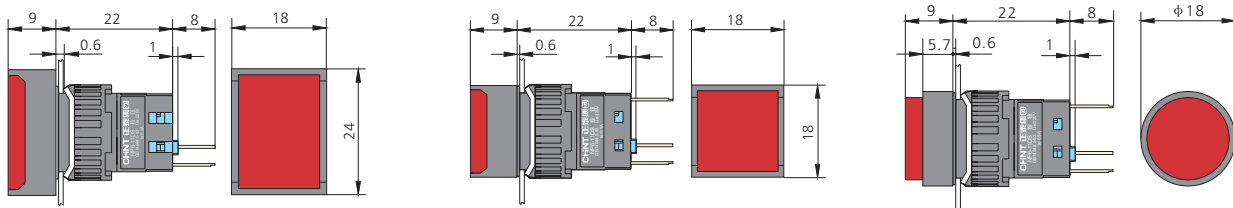
NP6-□□ DS/ □ Y	Model	Color	⎓
  Round 5PINS	NP6-11DS/1F	○	1
	NP6-11DS/3F	●	1
	NP6-11DS/4F	●	1
	NP6-11DS/5F	●	1
	NP6-11DS/6F	●	1
	NP6-11DS/7F	●	1
	NP6-22DS/1F	○	2
	NP6-22DS/3F	●	2
	NP6-22DS/4F	●	2
	NP6-22DS/5F	●	2
	NP6-22DS/6F	●	2
	NP6-22DS/7F	●	2

Dimensions (mm)


NP6-□□D□/□J

NP6-□□D□/□F




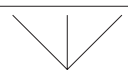
NP6-□□D□/□Y



★ Mushroom head Pushbutton(Non illuminated)

NP6-□□J/ □	Model	Color	⎓
	NP6-11J/3	●	1
	NP6-11J/4	●	1
	NP6-11J/5	●	1
	NP6-22J/3	●	2
	NP6-22J/4	●	2
	NP6-22J/5	●	2

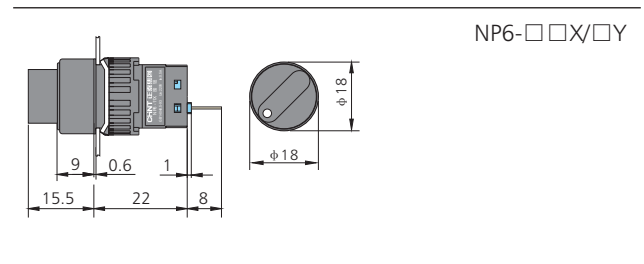
★ Selector Switches (Non illuminated)

NP6-□□ X/ □ Y	Model	Selector Switches	⎓
	NP6-11X/2Y		1
	NP6-22X/2Y		2
	NP6-22X/3Y		2

★ Mushroom head Pushbutton-(Non illuminated)-(Maintained)

NP6-□□ ZS/4	Model	Color	
	NP6-11ZS/4	Red	1
	NP6-22ZS/4	Red	2

Dimensions (mm)



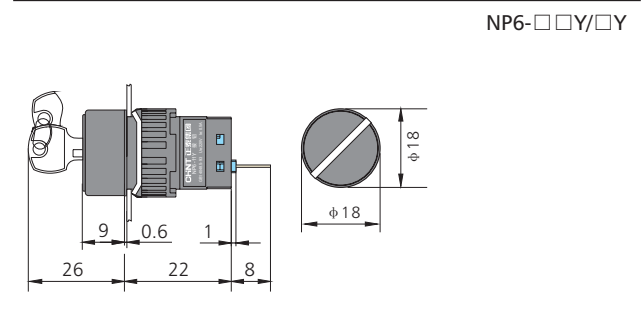
★ Indicator

NP6-XD/ □□	Model	Color	Voltage
	NP6-XD/1J	White	DC 6V, DC 12V, DC 24V
	NP6-XD/3J	Green	
	NP6-XD/4J	Red	
	NP6-XD/5J	Yellow	
	NP6-XD/6J	Blue	
	NP6-XD/7J	Orange	DC 6V, DC 12V, DC 24V
	NP6-XD/1F	White	
	NP6-XD/3F	Green	
	NP6-XD/4F	Red	
	NP6-XD/5F	Yellow	
	NP6-XD/6F	Blue	DC 6V, DC 12V, DC 24V
	NP6-XD/7F	Orange	
	NP6-XD/1Y	White	
	NP6-XD/3Y	Green	
	NP6-XD/4Y	Red	
	NP6-XD/5Y	Yellow	
	NP6-XD/6Y	Blue	
NP6-XD/7Y	Orange		

★ Selector Switches With Key(Non illuminated)

NP6-□□ Y/ □ Y	Model	Selector Switches	
	NP6-11Y/2Y		1
	NP6-22Y/2Y		2
	NP6-22Y/3Y		2

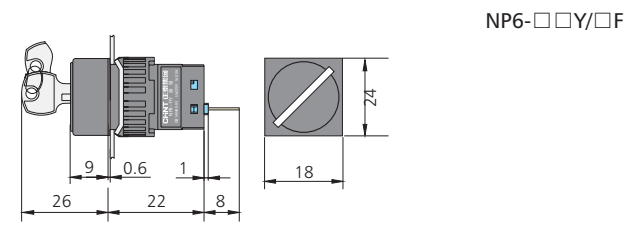
Dimensions (mm)



★ Selector Switches With Key(Non illuminated)

NP6-□□ Y/ □ F	Model	Selector Switches	
	NP6-11Y/2F		1
	NP6-22Y/2F		2
	NP6-22Y/3F		2

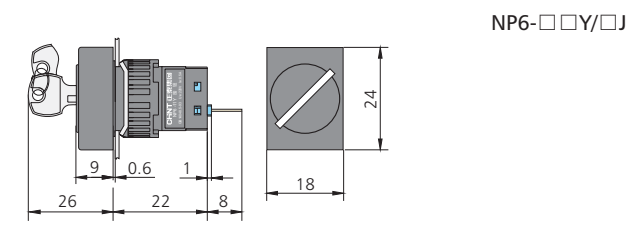
Dimensions (mm)



★ Selector Switches With Key (Non illuminated)

NP6-□□ Y/ □ J	Model	Selector Switches	
	NP6-11Y/2J		1
	NP6-22Y/2J		2
	NP6-22Y/3J		2

Dimensions (mm)





NP3 Pushbutton

1. General information

Electric ratings: AC50/60Hz, AC380V/DC220V;
 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: II

3. Feature

With good capability of dust-proof and rain-proof application; ensures reliable operation of circuit and equipments.

4. Technical data

- 4.1 Rated insulation voltage U_i : 380V
- 4.2 Conventional thermal current I_{th} : 10A

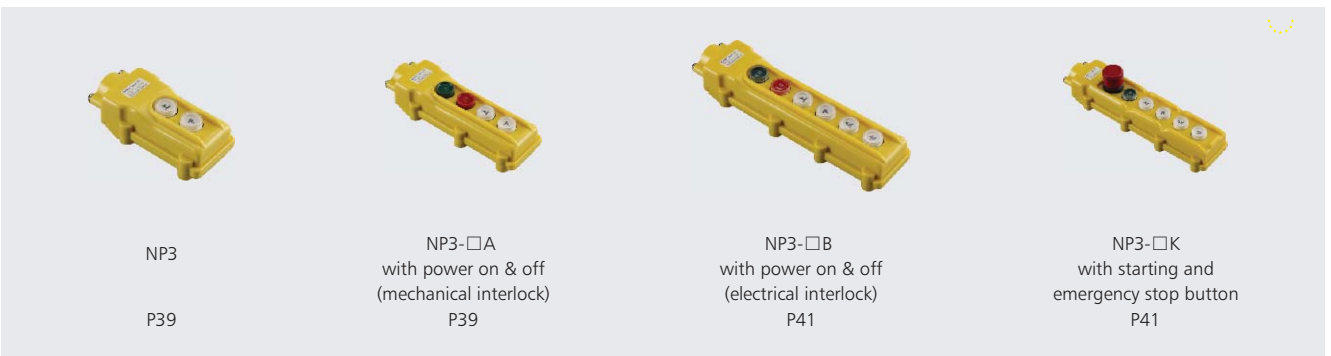
Rated operational voltage U_e (V)		380	220	110
Rated operational current I_e (A)	AC-15	2.5	4.5	-
	DC-13	-	0.3	0.6

4.3 Durability

Electric life: instantaneous: AC 5×10^5 operation circles, DC 2×10^5 operation circles;
 other type: 1×10^5 operation circles;
 Mechanical life: instantaneous:
 1×10^6 operation circles,
 Illuminated button: 3×10^5 operation circles;
 other type: 1×10^5 operation circles;






4.4 Contact

Contact resistance $\leq 50\text{m}\Omega$ (initial value)







5. NP3 series indicator

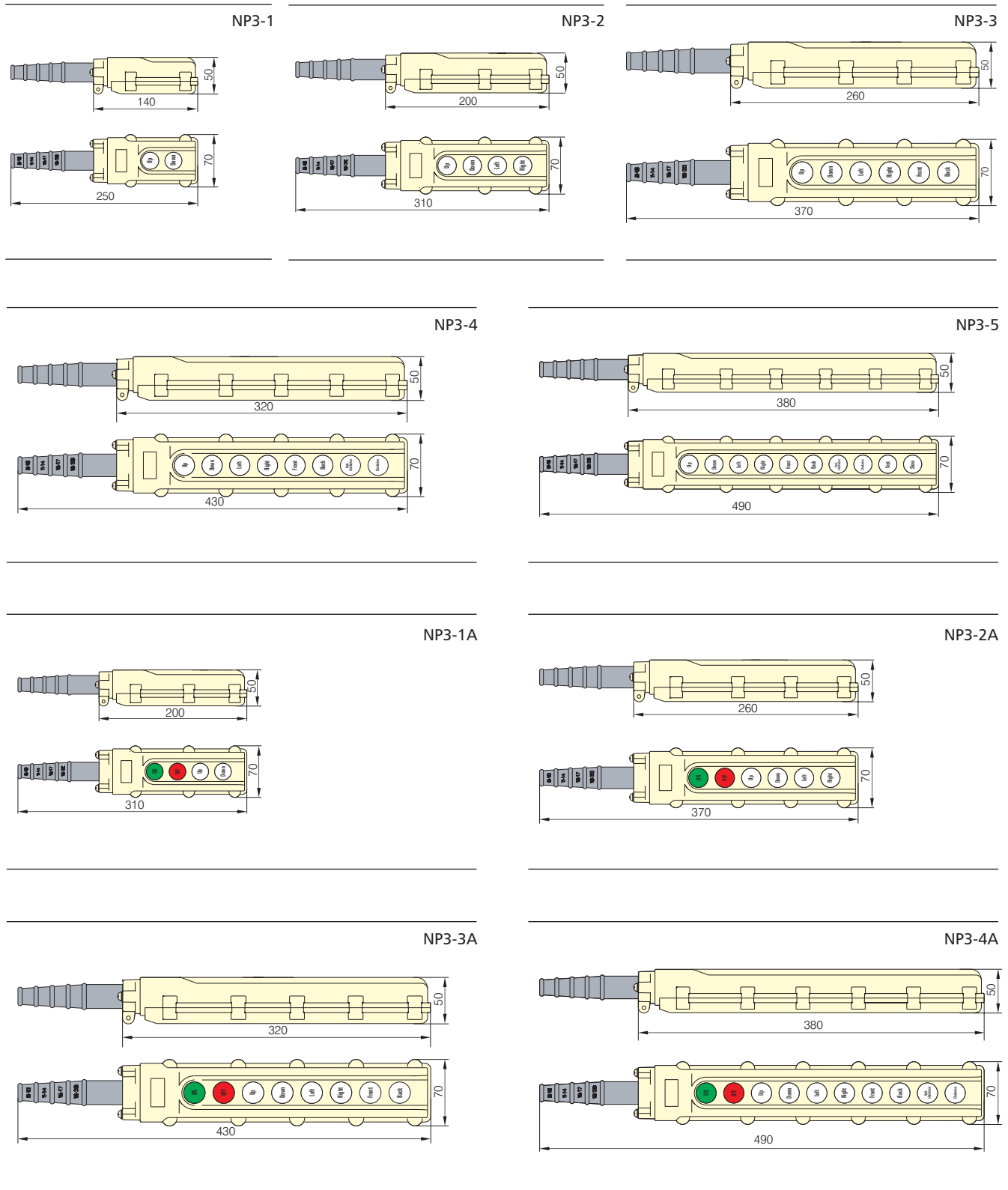
★ Momentary Flush button

NP3 □	Model	Function
	NP3-1	UP
		DOWN
	NP3-2	UP/LEFT
		DOWN/RIGHT
	NP3-3	UP/LEFT/FRONT
		DOWN/RIGHT/BACK
	NP3-4	UP/LEFT/FRONT/Anti-Clockwise
		DOWN/RIGHT/BACK/Clockwise
	NP3-5	UP/LEFT/FRONT/Anti-Clockwise/FAST
		DOWN/RIGHT/BACK/Clockwise/SLOW





★ Momentary Flush button With Power Switching
("start" button Maintained)

NP3 □ A	Model	Function
	NP3-1A	(ON/OFF) UP
		(ON/OFF) DOWN
	NP3-2A	(ON/OFF) UP/LEFT
		(ON/OFF) DOWN/RIGHT
	NP3-3A	(ON/OFF) UP/LEFT/FRONT
		(ON/OFF) DOWN/RIGHT/BACK
	NP3-4A	(ON/OFF) UP/LEFT/FRONT/Anti-Clockwise
		(ON/OFF) DOWN/RIGHT/BACK/Clockwise





Dimension (mm)



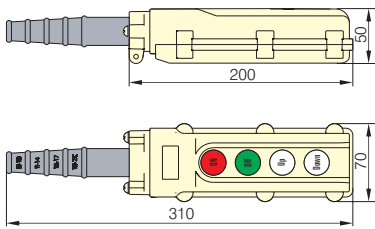
★ Momentary Flush button With Power Switching

NP3 □ B	Model	Function
	NP3-1B	UP
		DOWN
	NP3-2B	UP/LEFT
		DOWN/RIGHT
	NP3-3B	UP/LEFT/FRONT
		DOWN/RIGHT/BACK
	NP3-4B	UP/LEFT/FRONT/Anti-Clockwise
		DOWN/RIGHT/BACK/Clockwise

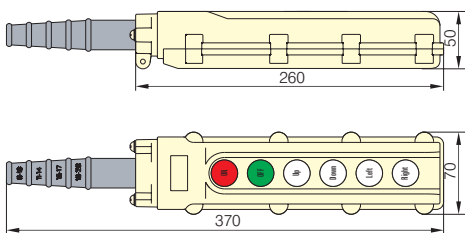
★ Momentary Flush button With Power Switching
("start" button Maintained)

NP3 □ K	Model	Function
	NP3-1K	(ON/OFF) UP
		(ON/OFF) DOWN
	NP3-2K	(ON/OFF) UP/LEFT
		(ON/OFF) DOWN/RIGHT
	NP3-3K	(ON/OFF) UP/LEFT/FRONT
		(ON/OFF) DOWN/RIGHT/BACK
	NP3-4K	(ON/OFF) UP/LEFT/FRONT/Anti-Clockwise
		(ON/OFF) DOWN/RIGHT/BACK/Clockwise

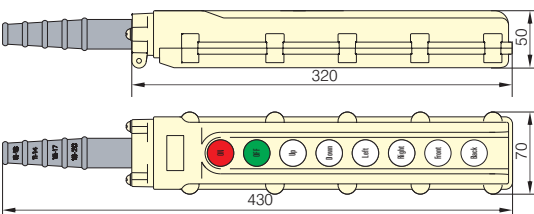
NP3-1B



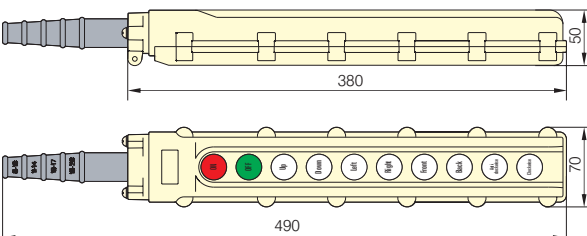
NP3-2B

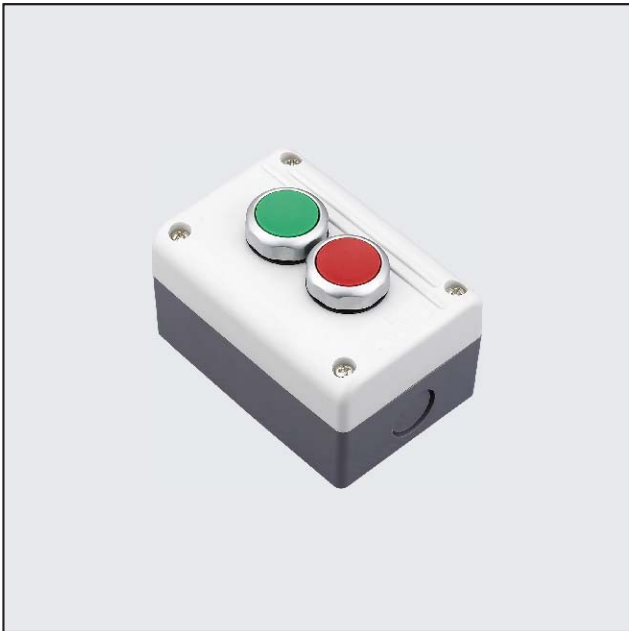


NP3-3B



NP3-4B





NPH1 Pushbutton Box

1. General information

Electric ratings: AC50/60Hz, AC415V/DC250V;
Degree of protection: IP54/IP40
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 grade: 3
- 2.5 Installation category: II

3. Technical data

- 3.1 Conventional heating current I_{th}: 10A
- 3.2 Refer to table below, for ratings under different utilization categories.

AC-15	Rated operational voltage, V	415	240	120
	Rated operational current, V	1.9	3	6
DC-13	Rated operational voltage, V	250	125	-
	Rated operational current, V	0.27	0.55	-

Life

Electric life: Flush-headed and mushroom-headed type:
AC 5×10^5 operations, DC 2.5×10^5 operations;
other type: 1×10^5 operations;
Mechanical life: flush-headed and mushroom-headed type:
1 million operations,
button with light: 3×10^6 operations;
other type: 1×10^5 operations

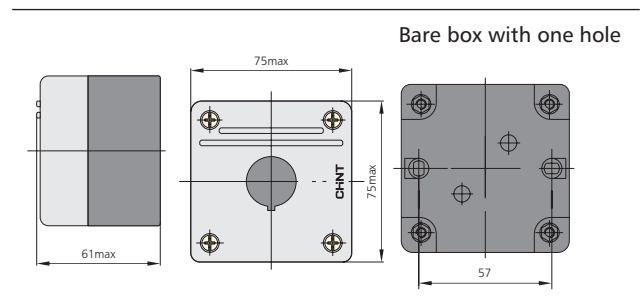
Rated operational voltage	Rated operational current
AC/DC 6V, 12V, 24V, 36V	$\leq 20\text{mA}$
AC 110V~220V	$\leq 20\text{mA}$

4. NPH1 Enclosure

Bare box with one hole

	Model	Specifications	
		Color	Protection degree
	NPH1-10J	Yellow	IP54
	NPH1-1J		IP40
	NPH1-10	Grey	IP54
	NPH1-1		IP40

Dimension (mm)



Bare box with two hole

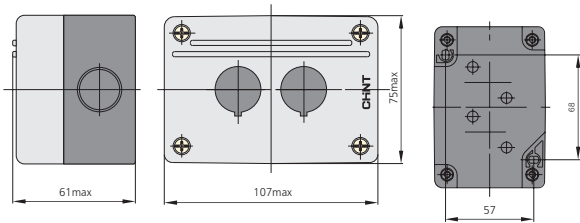
	Model	Specifications	
		Color	Protection degree
	NPH1-20J	Yellow	IP54
	NPH1-2J		IP40
	NPH1-20	Grey	IP54
	NPH1-2		IP40

Bare box with three hole

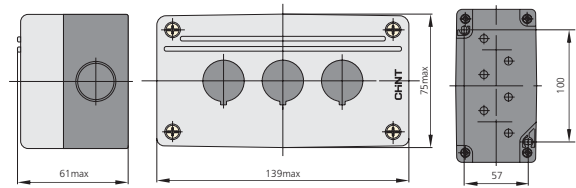
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	Yellow	IP54
	NPH1-3J		IP40
	NPH1-30	Grey	IP54
	NPH1-3		IP40

Dimension (mm)

Bare box with two hole



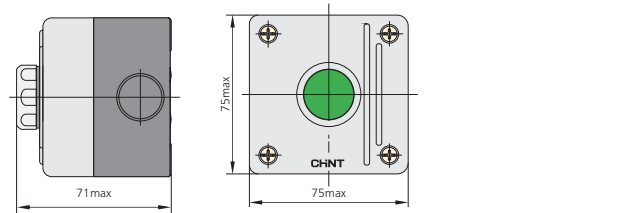
Bare box with three hole



Box with one hole (with flush button)

	Model	Specifications		
				Color
	NPH1-1001	1	—	
	NPH1-1002	1	—	
	NPH1-1003	—	1	
	NPH1-1004	—	1	

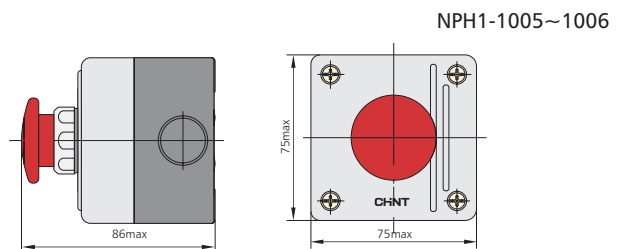
Dimension (mm)



Box with one hole (with mushroom-headed button)

	Model	Specifications			
		\varnothing			Color
	NPH1-1005	$\varnothing 40$	1	—	
	NPH1-1006	$\varnothing 40$	—	1	

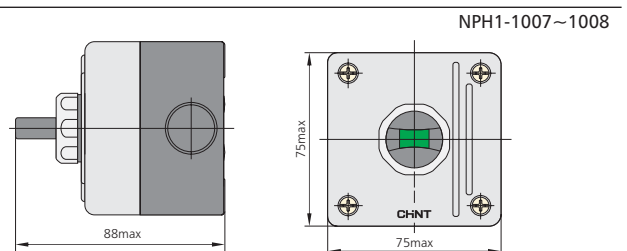
Dimension (mm)



Box with one hole (with selector switch)

	Model	Specifications			
		Type of positions			Color
	NPH1-1007		1	—	
	NPH1-1008		2	—	

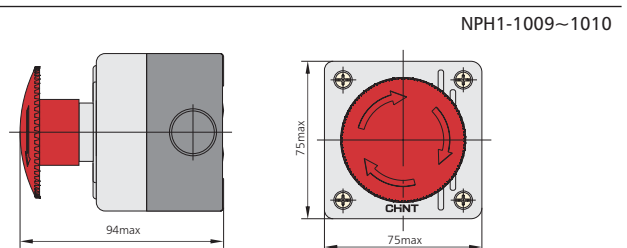
Dimension (mm)



Box with one hole (with mushroom-headed button, self-locking)

	Model	Specifications		
		\varnothing		Color
	NPH1-1009	$\varnothing 40$	—	1
	NPH1-1010	$\varnothing 60$	—	1

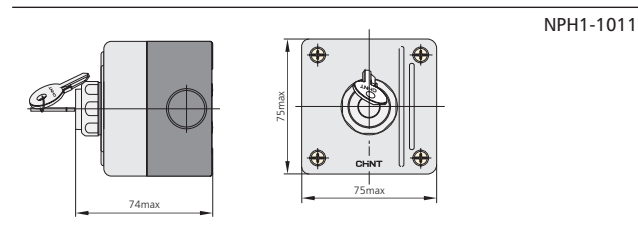
Dimension (mm)



Box with one hole (with key switch)

	Model	Specifications			
		Type of positions			
	NPH1-1011	φ 40		—	1

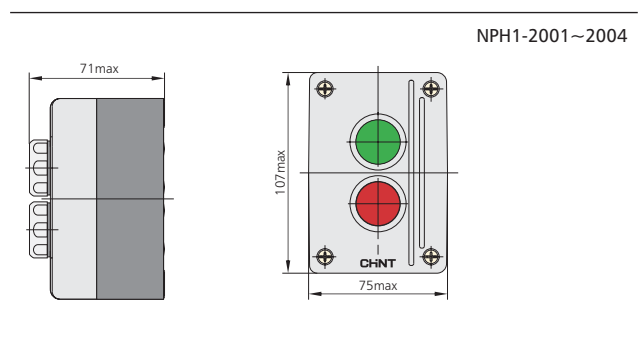
Dimension (mm)



Box with two holes (with flush button)

	Model	Specifications		
				Color
	NPH1-2001	1	—	
		—	1	
	NPH1-2002	1	—	1
		—	1	
	NPH1-2003	1	—	←
		—	1	→
	NPH1-2004	1	—	↑
		—	1	↓

Dimension (mm)

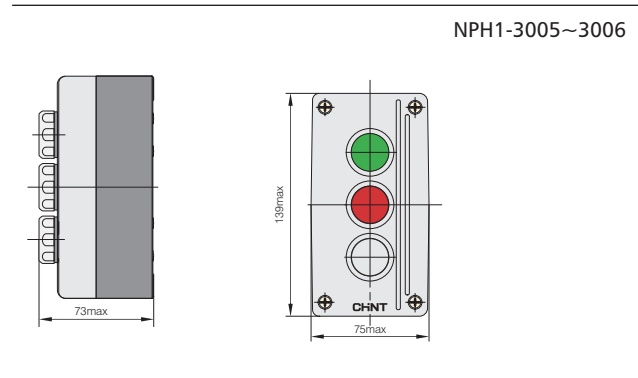
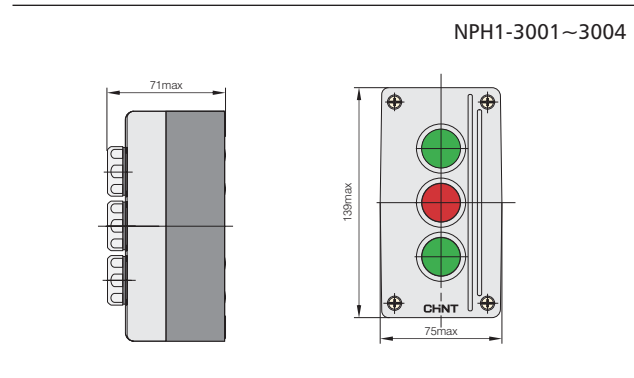


Box with three holes (with flush button)

	Model	Specifications			
					Color
	NPH1-3001	1	—		
		—	1		
		1	—		
	NPH1-3002	1	—		1
		—	1		
		1	—		II
	NPH1-3003	1	—		←
		—	1		
		1	—		→
	NPH1-3004	1	—		↑
		—	1		
		1	—		↓

	Model	Specifications			
					Color
	NPH1-3005	1			
			1NC		
		Indicator light		AC/DC 24V	
	NPH1-3006	1			1
			1		
		Indicator light		AC/DC 24V	

Dimension (mm)





ND16 Indicator Light

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 (cd/m^2)	Basic color
AC	AC/DC				
400	400	Ie \leq 20	≥ 30000	≥ 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)	●
			



★ 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)

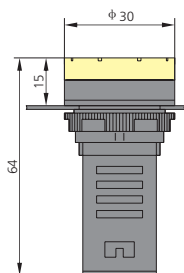
ND16-22A/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22A/4 (W)	○
		ND16-22A/4 (G)	●
		ND16-22A/4 (R)	●
		ND16-22A/4 (Y)	●
		ND16-22A/4 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22A/4 (W)-F	○
		ND16-22A/4 (G)-F	●
		ND16-22A/4 (R)-F	●
		ND16-22A/4 (Y)-F	●
		ND16-22A/4 (B)-F	●

★ Flat Platform-Lampshape (Capacitor type)

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

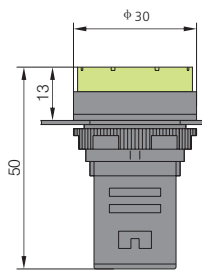
Dimensions (mm)

ND16-22A/□





Dimensions (mm)



ND16-22AS/□





★ Flat Round Platform-Lampshape (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)	●
			

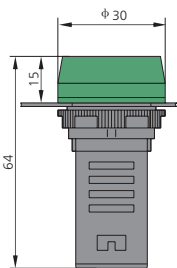
★ Compacted Flat Round Platform-Lampshape (Resistance type)

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 (B)	●
			

★ 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)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22B/4 (W)-F	○
		ND16-22B/4 (G)-F	●
		ND16-22B/4 (R)-F	●
		ND16-22B/4 (Y)-F	●
		ND16-22B/4 (B)-F	●

Dimensions (mm)

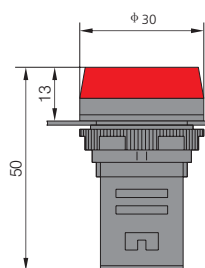


ND16-22B/□

★ Compacted Flat Round Platform-Lampshade (Capacitance type)



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

Dimensions (mm)





ND16-22BS/□



★ Arc Surface ripple-Lampshade (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)	●
		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	●



★ Arc Surface ripple-Lampshade (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)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	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	●

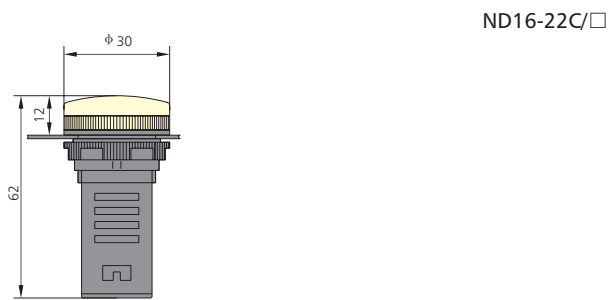
★ Compacted Arc Surface ripple-Lampshade (Resistance type)

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	●

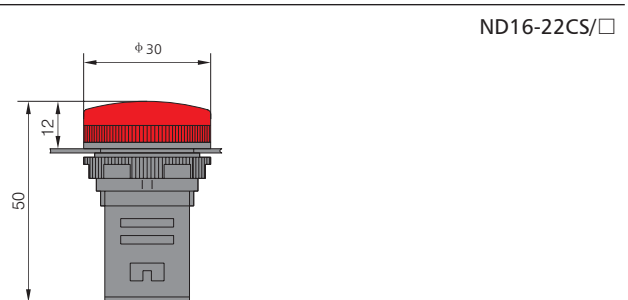
★ Compacted Arc Surface ripple-Lampshade (Capacitance type)

ND16-22CS/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	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)





Dimensions (mm)





★ 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)	●



★ 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 (B)	●

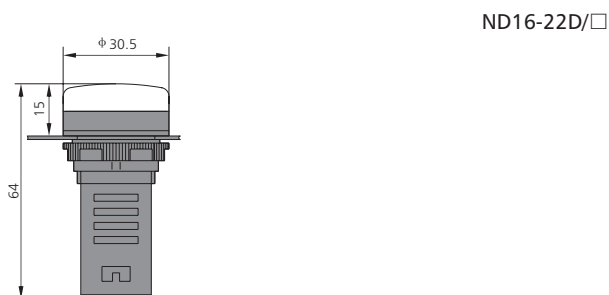
★ Arc Surface Round-Lampshape (Capacitance type)

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)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22D/4 (W)-F	○
		ND16-22D/4 (G)-F	●
		ND16-22D/4 (R)-F	●
		ND16-22D/4 (Y)-F	●
		ND16-22D/4 (B)-F	●

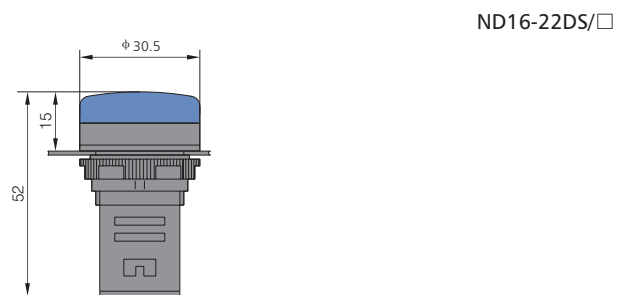
★ Compacted Arc Surface Round-Lampshape (Capacitance type)

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


Dimensions (mm)




Dimensions (mm)




★ Interrupted type

ND16 Buzzer	Model	Color	Voltage
	ND16-22F	●	AC/DC24~ 110V,
		●	AC230V, 400V


★ Interrupted & flush type

ND16 Buzzer	Model	Color	Voltage
	ND16-22FS	●	AC/DC24~ 110V,
		●	AC230V, 400V

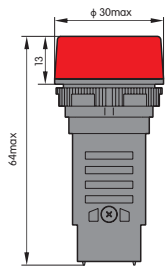
★ Continuous type

ND16 Buzzer	Model	Color	Voltage
	ND16-22L	●	AC/DC24~ 110V,
		●	AC230V,400V

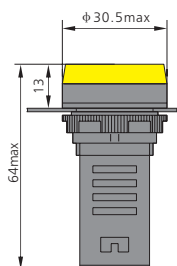
★ Continuous & lit type

ND16 Buzzer	Model	Color	Voltage
	ND16-22LC	●	AC/DC24~ 110V,
		●	AC230V, 400V

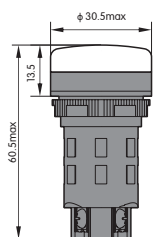
Dimension (mm)



- ND16-22BK/2 AC/DC 24V
- ND16-22BK/2 AC/DC 220V
- ND16-22BK/2 AC/DC 380V
- ND16-22BK/4 AC 220V
- ND16-22BK/4 AC 380V
- ND16-22BK/4 AC 220VF
- ND16-22BK/4 AC 380VF



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



- ND16-22S/2 AC/DC 24V
- ND16-22S/4 AC 220V
- ND16-22S/4 AC 380V
- ND16-22S/4 AC 220VF
- ND16-22S/4 AC 380VF

