

Pushbuttons & Indicator Lights & Buzzers





CHINT

CHINT



CHINA+TOMORROW= CHINT

“CHIN” indicates “CHINA”, and “T” represents “TOMORROW”, proclaiming its signification-“Tomorrow of China”.



Zhejiang CHINT Electrics Co.,Ltd. (public company, SHA:601877) is the largest-selling low-voltage electrics manufacturers in China. The company mainly engages in the research & development, manufacturing and sales of over 100 series low-voltage products with over 10,000 specification, such as modular Din-rail products, Moulded Case Circuit Breaker, Control products, Relays, Inverters, Soft Starters, Transformers, Automatic Voltage Regulators, Capacitors, Switch Disconnections, etc. and provides integrated electrical system solution for the industries of electric power, machinery, building, communication, HVAC, metallurgy, petrochemical, railway and etc.



With its worldwide presence of distribution network, CHINT is capable of delivering high quality and professional services for its customers at home and abroad.



CHINT is consistently committed to developing itself into a world-class electric supplier of integrated system solutions in this era of economic globalization. By adhering to the development strategy of “internationalization, High-Technology and Industrialization”, the company has persistently devoted itself to the innovation measures in corporate system, technology, and management with a vision of offering global customers with high-performance, intelligent and energy-saving electric products, technologies and services.





Marketing Network

Chint not only has advanced production equipment, strict quality management and innovative research and development team, but also a worldwide marketing network consisting of 5 international marketing areas, 13 domestic marketing offices, 12 logistics centers, more than 280 specialty stores and more than 1000 sales companies, which are always ready to provide the users with high-quality professional services.





Europe



America



CIS Region



West Asia & Africa



Asia-Pacific



CHINT Electric Systems



Thermal power station



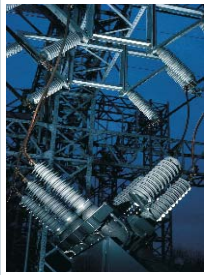
Hydraulic power station



Wind Power station



Solar power station



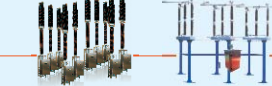
Power Factor Compensation(Outdoor)



HV Capacitor



Automatic Meter Reading System



HV SF6 Circuit Breaker



HV Switch-Disconnector



KWH Meter



Microcomputer Protection-Control Device



Prefabricated Substation



Power Transformer



HV Power Transformer



HV Switchgear



HV Switchgear



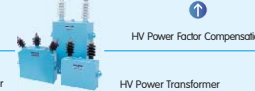
Power Transformer



GIS



HV Power Capacitor



HV Power Factor Compensation

HV Power Transformer



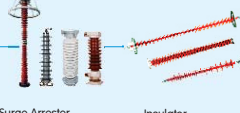
Outdoor HV AC Switch-Disconnector



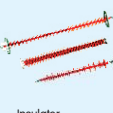
HV Power Factor Compensation



HV Current/Voltage Transformer



Surge Arresler



Insulator

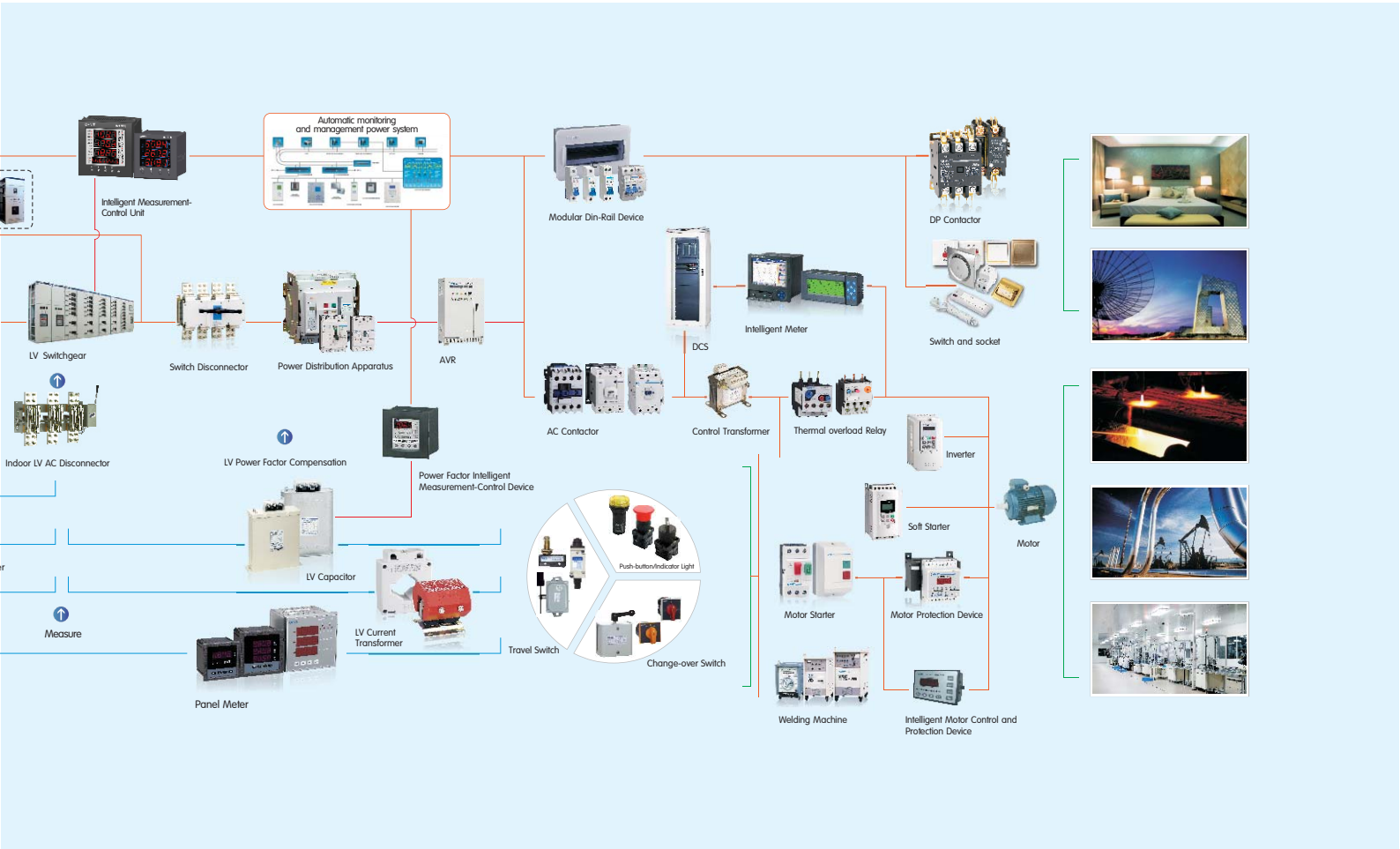


Reactor



KWH Meter

Power of Dedication has transformed CHINT from a simple electric component manufacturer into a leading electric system solution provider, enabling all users from power transmission, distribution and usage sectors to access more reliable, secure, energy-saving, precise, eco-friendly, and intelligent electric products and services. CHINT highly values all personalized demands of electric power, machinery, construction, communications, HVAC, metallurgy, petrochemical, railway, and other industries all the time, and devote itself to facilitating technical innovations and building a green future by providing users with world-class tailor-made electric system solutions.



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

Page 02

**NP2**

Page 15

**NP6**

Page 33

**NP3**

Page 38

**NPH1**

Page 43

Indicator Lights / Buzzers**ND16**

Page 46

Drill Plan	Picture Index	Certificates	IP	Product Model
φ 22.3mm		 (only for compound type)	IP40	NP2 Series
				NP8 Series
		CE (S)	IP54	NPH1 Pushbutton Box
		CE (S)		
φ 16mm			IP40	NP6 Series
φ 22.3mm		CE cULus	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

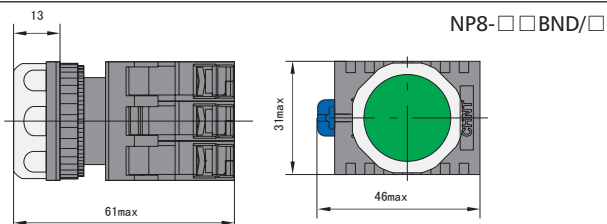
★ Momentary Flush Pushbutton-(Non illuminated)


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

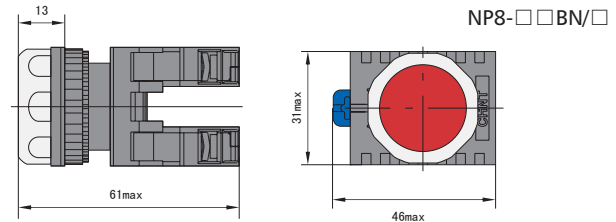
NP8-□□ BND/ □□	Model	Color	↵	↶
	NP8-10BND/1	○	1	—
	NP8-10BND/3	●	1	—
	NP8-10BND/4	●	1	—
	NP8-10BND/5	●	1	—
	NP8-10BND/6	●	1	—
	NP8-01BND/1	○	—	1
	NP8-01BND/3	●	—	1
	NP8-01BND/4	●	—	1
	NP8-01BND/5	●	—	1
	NP8-01BND/6	●	—	1


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/□	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/□	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/□	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)



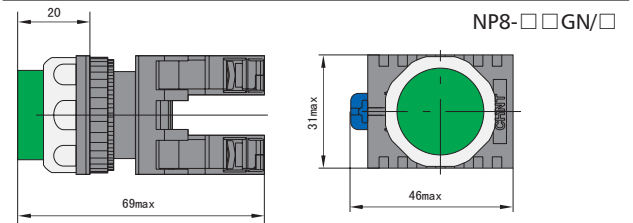
NP8-□□ BND/ □□	Model	Color	↵	↶	
	NP8-20BND/1	○	2	—	
	NP8-20BND/3	●	2	—	
	NP8-20BND/4	●	2	—	
	NP8-20BND/5	●	2	—	
	NP8-20BND/6	●	2	—	
	NP8-02BND/1	○	—	2	
	NP8-02BND/3	●	—	2	
	NP8-02BND/4	●	—	2	
	NP8-02BND/5	●	—	2	
	NP8-02BND/6	●	—	2	
	NP8-11BND/□	NP8-11BND/1	○	1	1
		NP8-11BND/3	●	1	1
NP8-11BND/4		●	1	1	
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
	NP8-30GN/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
	NP8-03GN/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

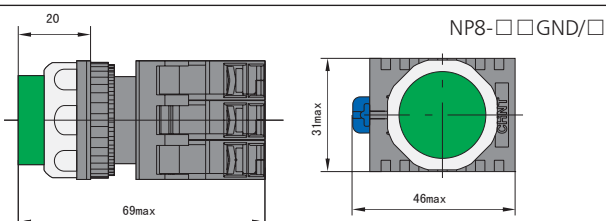
Dimension (mm)



★ 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	

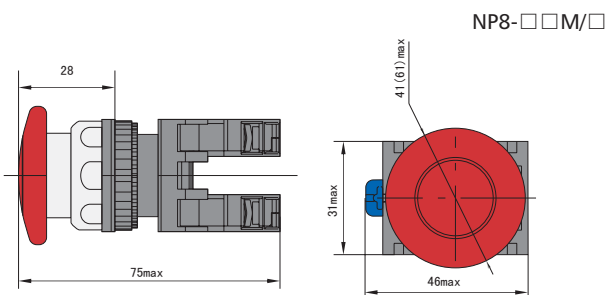
NP8-□□ M/□□	Model	Color	⌋	⌋
	NP8-03M/14	●	—	3
	NP8-03M/15	●	—	3
	NP8-03M/16	●	—	3
	NP8-12M/11	○	1	2
	NP8-12M/12	●	1	2
	NP8-12M/13	●	1	2
	NP8-12M/14	●	1	2
	NP8-12M/15	●	1	2
	NP8-12M/16	●	1	2
	NP8-21M/11	○	2	1
	NP8-21M/12	●	2	1
	NP8-21M/13	●	2	1
	NP8-21M/14	●	2	1
	NP8-21M/15	●	2	1
	NP8-21M/16	●	2	1

★ ϕ 60 Momentary Mushroom button-(Non illuminated)

NP8-□□ M/□□	Model	Color	⌋	⌋	
 1 CONTACT BLOCK (Non-illuminated)	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

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	

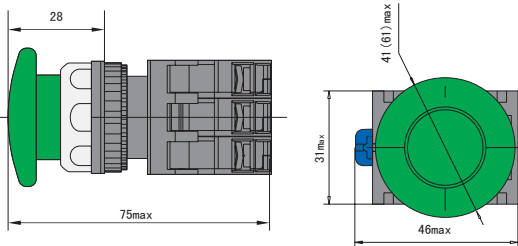
★ ϕ 60 Momentary Mushroom button-illuminated
AC/DC6V, 12V, 24V, 36V, AC110V~230V

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

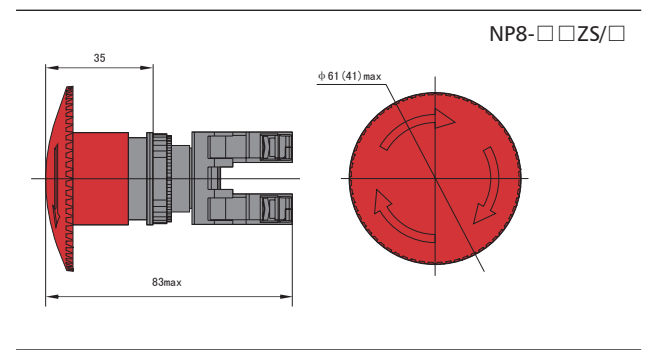
NP8-□□ ZS/□□	Model	Color	↵	↶
	NP8-20ZS/11	○	2	—
	NP8-20ZS/12	●	2	—
	NP8-20ZS/13	●	2	—
	NP8-20ZS/14	●	2	—
	NP8-20ZS/15	●	2	—
	NP8-20ZS/16	●	2	—
	NP8-02ZS/11	○	—	2
	NP8-02ZS/12	●	—	2
	NP8-02ZS/13	●	—	2
	NP8-02ZS/14	●	—	2
	NP8-02ZS/15	●	—	2
	NP8-02ZS/16	●	—	2
	NP8-11ZS/11	○	1	1
	NP8-11ZS/12	●	1	1
	NP8-11ZS/13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



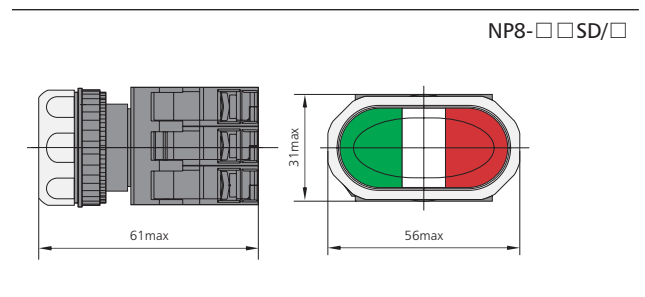
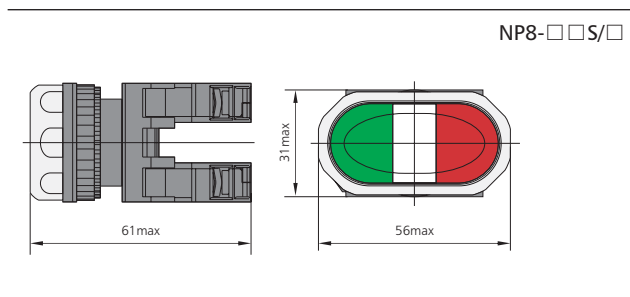
★ Double-headed flush momentary button (Non-illuminated)

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

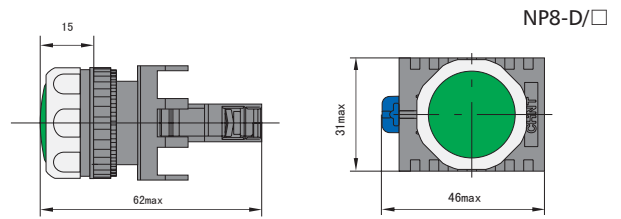
Dimension (mm)






★ 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	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				

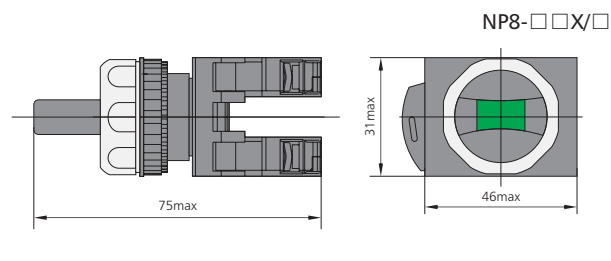
NP8- □□ X/22 □	Metal	Color	Selector Switches	Switches	
				↖	↗
	NP8-20X/221	○	↙	2	—
	NP8-20X/222	●		2	—
	NP8-20X/223	●		2	—
	NP8-20X/224	●		2	—
	NP8-20X/225	●		2	—
	NP8-20X/226	●		2	—
	NP8-02X/221	○		—	2
	NP8-02X/222	●		—	2
	NP8-02X/223	●		—	2
	NP8-02X/224	●		—	2
	NP8-02X/225	●		—	2
	NP8-02X/226	●		—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

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/22	●		—	1	
	NP8-01XD/23	●		—	1	
	NP8-01XD/24	●		—	1	
	NP8-01XD/25	●		—	1	
	NP8-01XD/26	●		—	1	
		NP8-20XD/211		○	↵	2
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)

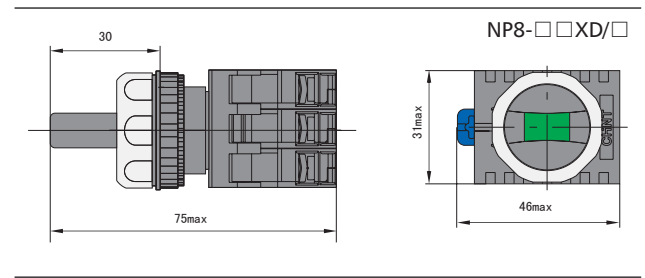
NP8-□□ Y/□	Metal	Selector Switches	↵	↶	
	NP8-10Y/21	↵	1	—	
	NP8-01Y/21		—	1	
	NP8-10Y/22	↵	1	—	
	NP8-01Y/22		—	1	
	NP8-20Y/21	↵	2	—	
			NP8-02Y/21	—	2
			NP8-11Y/21	1	1
	NP8-20Y/22	↵	2	—	
			NP8-02Y/22	—	2
			NP8-11Y/22	1	1

★ 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

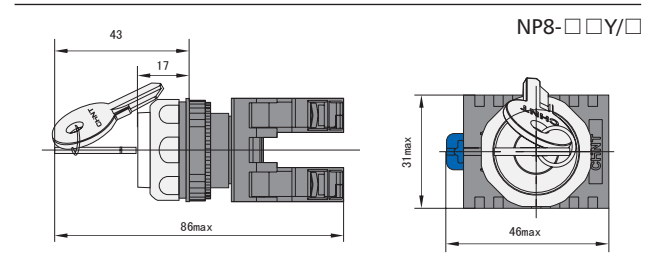
Dimension (mm)














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

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

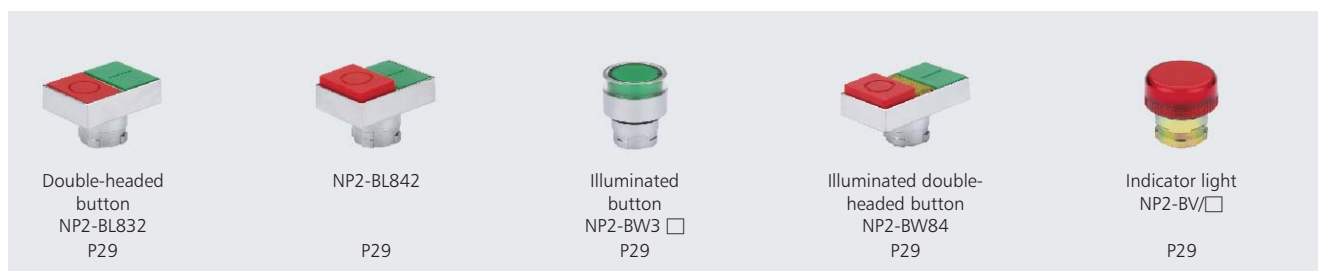
★ Plastic-headed

 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

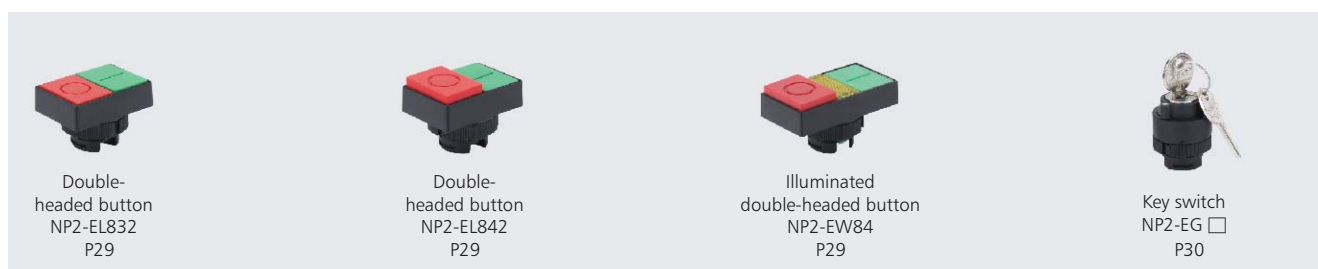
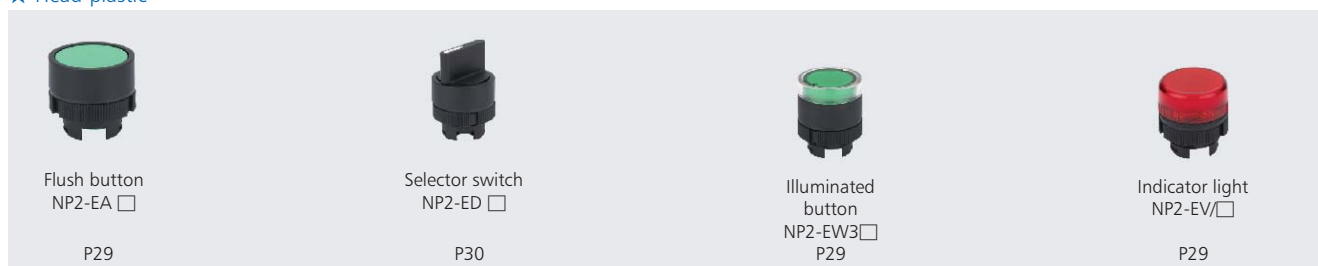
Seperated modulars Head

★ 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;



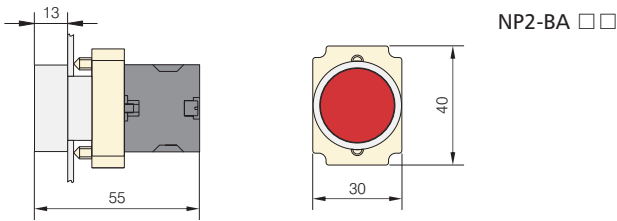
6. NP2 Pilot Device (Drill Plan $\phi 22.3$)

★ 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



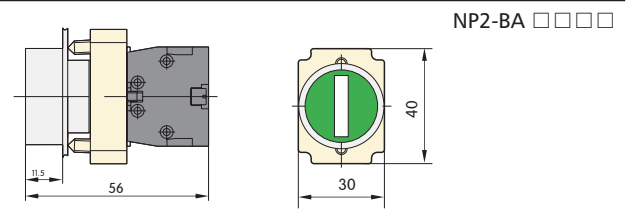
Dimensions (mm)



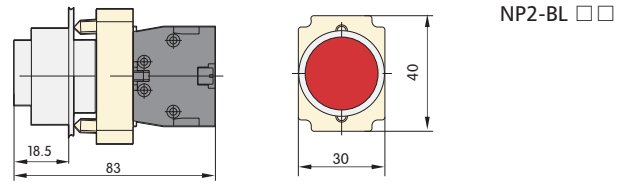
NP2-BA □□	Model	Color		
	NP2-BA13	○	2	—
	NP2-BA23	●	2	—
	NP2-BA33	●	2	—
	NP2-BA43	●	2	—
	NP2-BA53	●	2	—
	NP2-BA63	●	2	—
	NP2-BA14	○	—	2
	NP2-BA24	●	—	2
	NP2-BA34	●	—	2
	NP2-BA44	●	—	2
	NP2-BA54	●	—	2
	NP2-BA64	●	—	2
	NP2-BA15	○	1	1
	NP2-BA25	●	1	1
	NP2-BA35	●	1	1
	NP2-BA45	●	1	1
	NP2-BA55	●	1	1
	NP2-BA65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



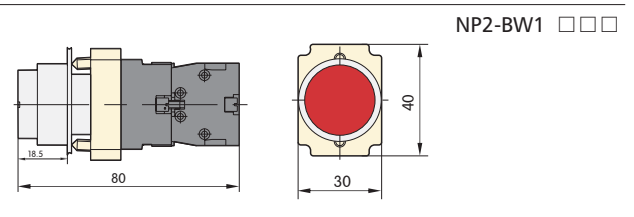
NP2-BA □□□□	Model	Color		
	NP2-BA3311	●	1	—
	NP2-BA2365	●	1	1
	NP2-BA4322	●	—	1
	NP2-BA2351	●	1	—
	NP2-BA1345	●	1	1



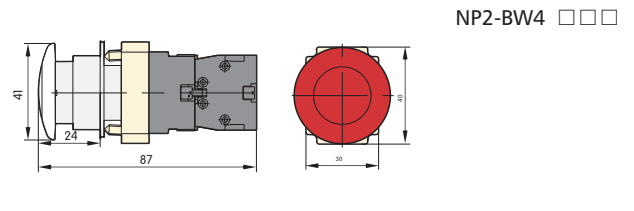
NP2-BL □□	Model	Color		
	NP2-BL42	●	—	1
	NP2-BL31	●	1	—
	NP2-BL55	●	1	1
	NP2-BL65	●	1	1
	NP2-BL15	○	1	1
	NP2-BL21	●	1	—



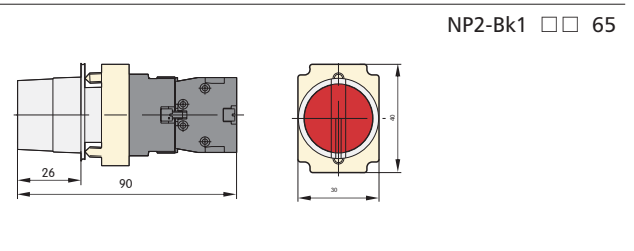
NP2-BA □□	Model	Color			Note
	NP2-BW1161 6V	○	1	—	Direct, 6V~380V
	NP2-BW1361 6V	●	1	—	
	NP2-BW1462 6V	●	—	1	
	NP2-BW1561 6V	●	1	—	
	NP2-BW1661 6V	●	1	—	





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	—	



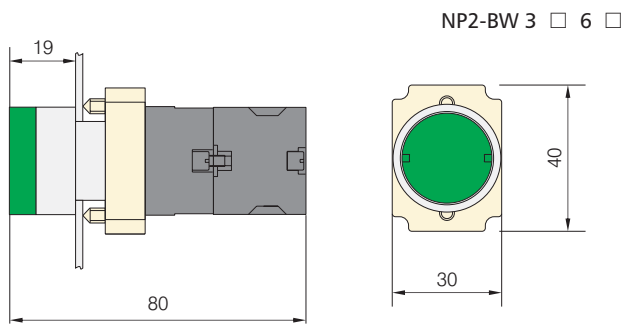
NP2-BA □□	Model	Color			Note
	NP2-BK12365 6V	●	1	1	Two-position locked
	NP2-BK12465 6V	●	1	1	
	NP2-BK12565 6V	●	1	1	
	NP2-BK13365 6V	●	1	1	
	NP2-BK13465 6V	●	1	1	
	NP2-BK13565 6V	●	1	1	



★ 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-BW3565 (LED)	●	1	1
		NP2-BW3665 (LED)	●	1	1

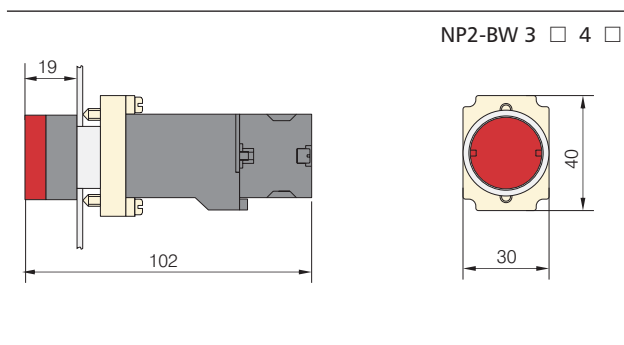
Dimensions (mm)




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

NP2-BW □ □	Lamp-Voltage	Model	Color		
		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-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
		NP2-BW3145	○	1	1
		NP2-BW3345	●	1	1
		NP2-BW3445	●	1	1
		NP2-BW3545	●	1	1
		NP2-BW3645	●	1	1
			(Transformer Type) LED: AC 380V	NP2-BW3151	○
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)



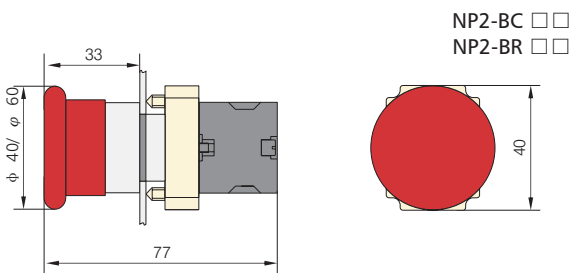
★ $\phi 40$ Momentary Mushroom head button(non-illuminated)

NP2-BC □□	Model	Color	Terminal	
			⌋	⌋
	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

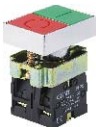
★ $\phi 60$ Momentary Mushroom head button(non-illuminated)


NP2-BR □□	Model	Color	Terminal	
			⌋	⌋
	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


Dimensions (mm)



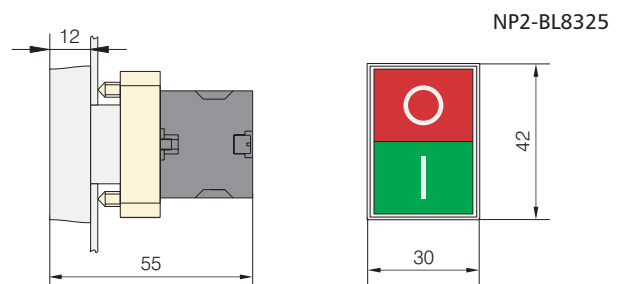
★ Double-headed flush momentary button (Non-illuminated)

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

NP2-BC □□	Model	Color	Terminal	
			⌋	⌋
	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

NP2-BR □□	Model	Color	Terminal	
			⌋	⌋
	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

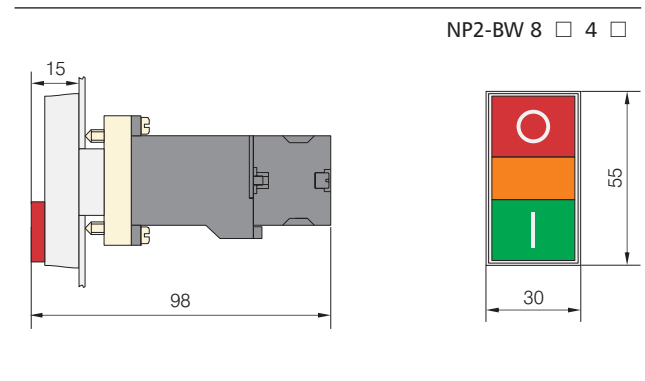
Dimensions (mm)



★ Double-headed flush momentary button (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

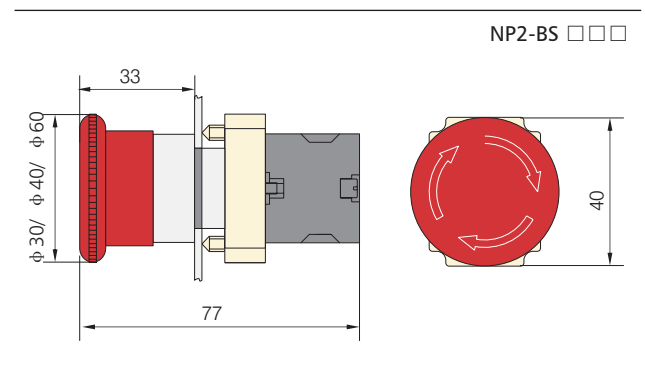
Dimensions (mm)



★ 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

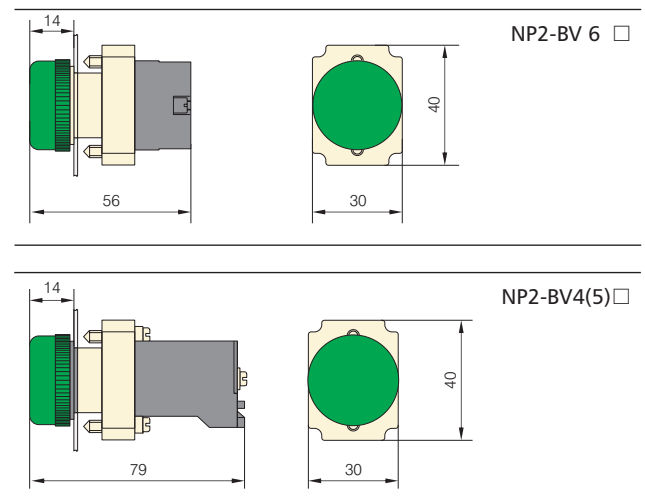
Dimensions (mm)









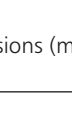







★ Indicator

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)



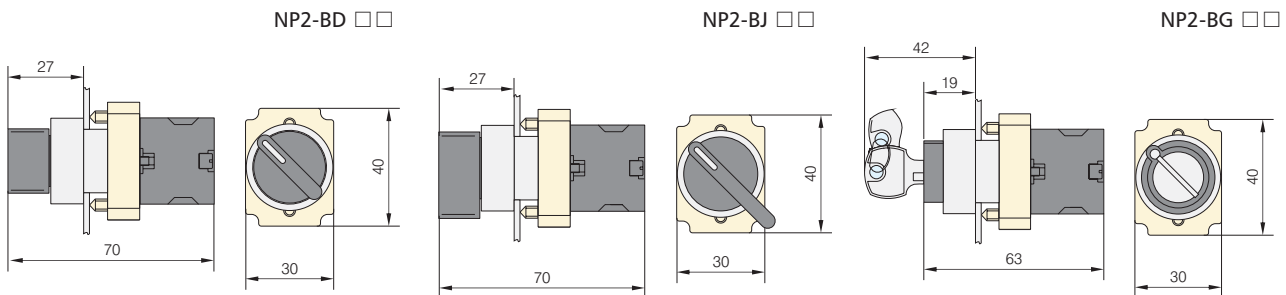
★ Selector Switches (2 positions)-(Non-illuminated)

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

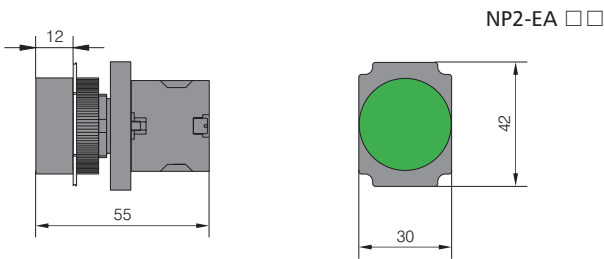
Dimensions (mm)




★ Momentary Flush Pushbutton (Non-illuminated)



NP2-EA □□	Model	Color	Switch	
			1	2
	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)



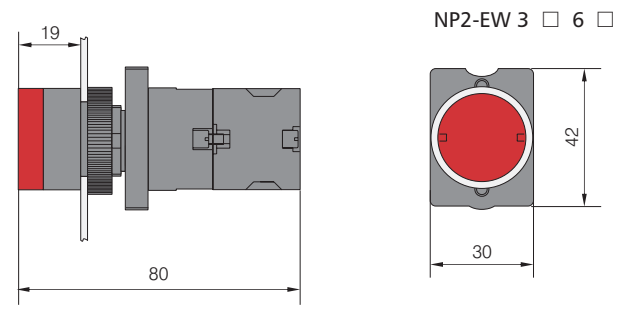
NP2-EA □□	Model	Color	Switch	
			1	2
	NP2-EA13	○	2	—
	NP2-EA23	●	2	—
	NP2-EA33	●	2	—
	NP2-EA43	●	2	—
	NP2-EA53	●	2	—
	NP2-EA63	●	2	—
	NP2-EA14	○	—	2
	NP2-EA24	●	—	2
	NP2-EA34	●	—	2
	NP2-EA44	●	—	2
	NP2-EA54	●	—	2
	NP2-EA64	●	—	2
	NP2-EA15	○	1	1
	NP2-EA25	●	1	1
	NP2-EA35	●	1	1
	NP2-EA45	●	1	1
	NP2-EA55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

★ Momentary Flush Pushbutton (Illuminated)


NP2-EW3 □□	Lamp-Voltage	Model	Color	Switch	
				1	2
	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	○
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	
				1	2
	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)



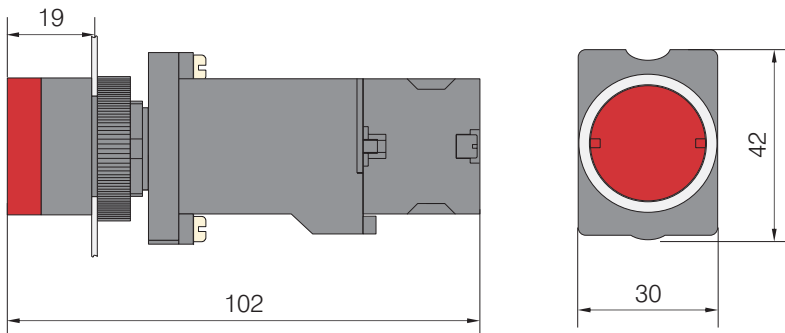
★ Momentary Flush Pushbutton (transformer type) (Illuminated)

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 □



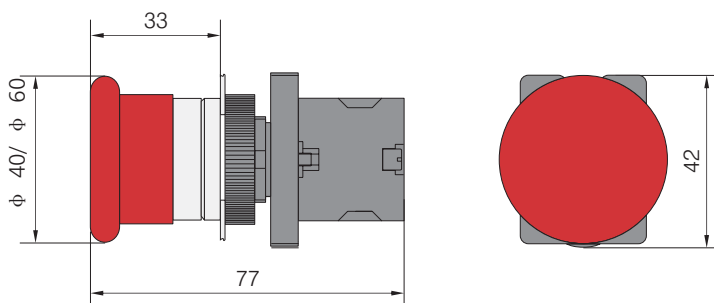
★ ϕ 40 Momentary Mushroom button -(Non-illuminated)

NP2-EC □□	Model	Color	Switching	
			\downarrow	\uparrow
	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	Switching	
			\downarrow	\uparrow
	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)



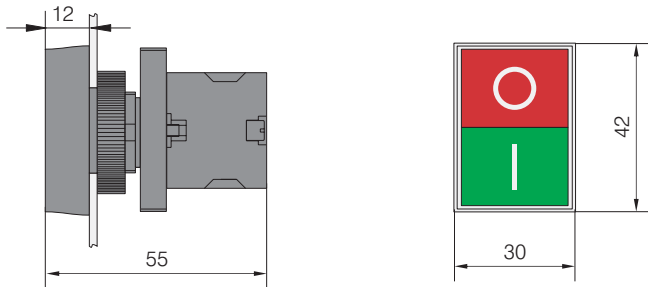
NP2-EC □□
 NP2-ER □□

★ 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

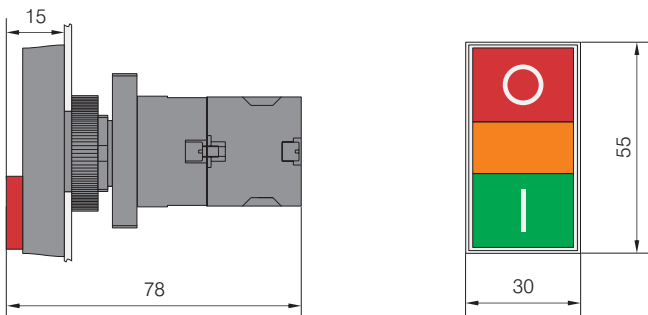


★ Double-headed flush momentary button (Illuminated)



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)

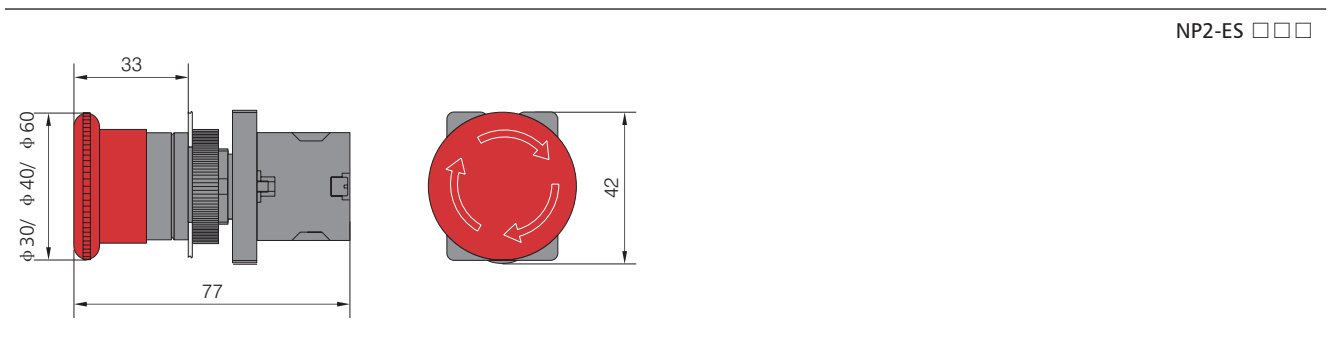
NP2-EW 8 □ 6 □





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

NP2-ES □□	Mushroom-Diameter	Model	Color	1	2
	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
		NP2-ES445		1	1
	φ 40	NP2-ES543		2	—
		NP2-ES544		—	2
		NP2-ES545		1	1
	φ 60	NP2-ES643		2	—
		NP2-ES644		—	2
		NP2-ES645		1	1

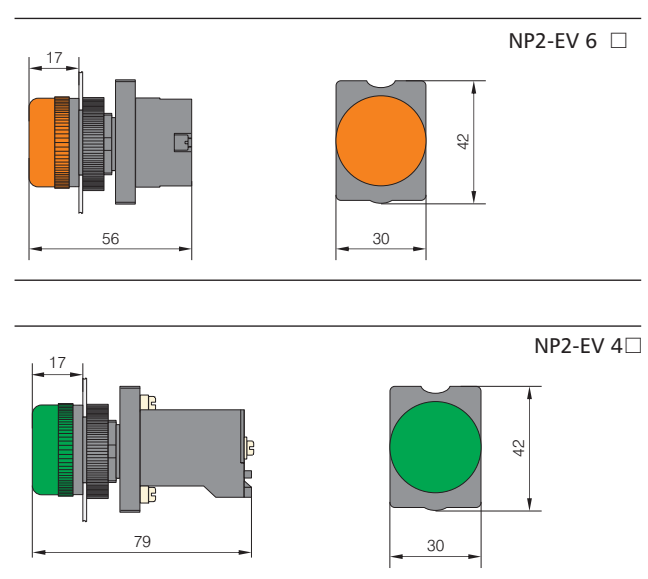
Dimensions (mm)




★ 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	●	
		INCANDESCENCE LED: AC 6V Transformer: 380V	NP2-EV51	○
			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	●

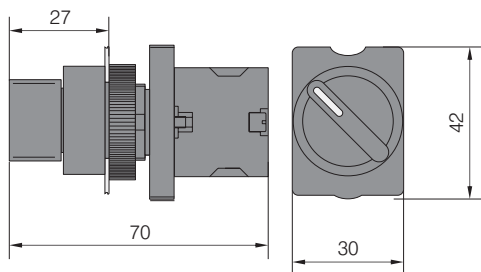
★ Selector Switches (2 positions)-(Non-illuminated)

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 □□

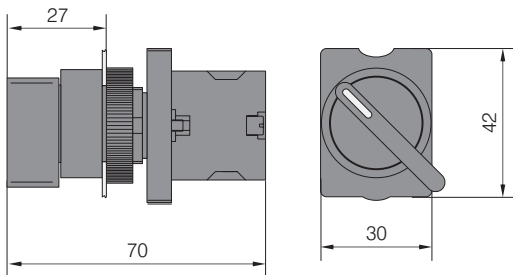
★ Selector Switches (2 positions)-(Non-illuminated)

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

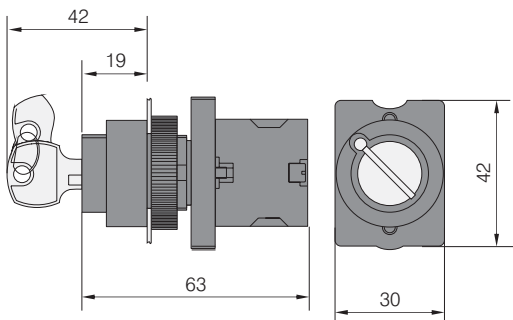
★ Selector Switches (3 positions)-(Non-illuminated)

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
		Flush button + projecting button


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


★ Double head button-(Illuminated)

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



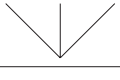


NP2-EW □□	Plastic	Specifications
	NP2-EW84	Flush button + projecting button



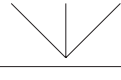


★ Indicator light

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


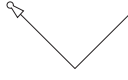

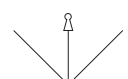
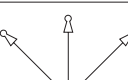

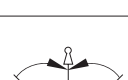
NP2-EV/ □	Plastic	Specifications
	NP2-EV/1	○
	NP2-EV/3	●
	NP2-EV/4	●
	NP2-EV/5	●
	NP2-EV/6	●


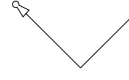

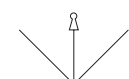
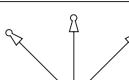


★ Head of Selector Switch-(Non-illuminated)

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 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

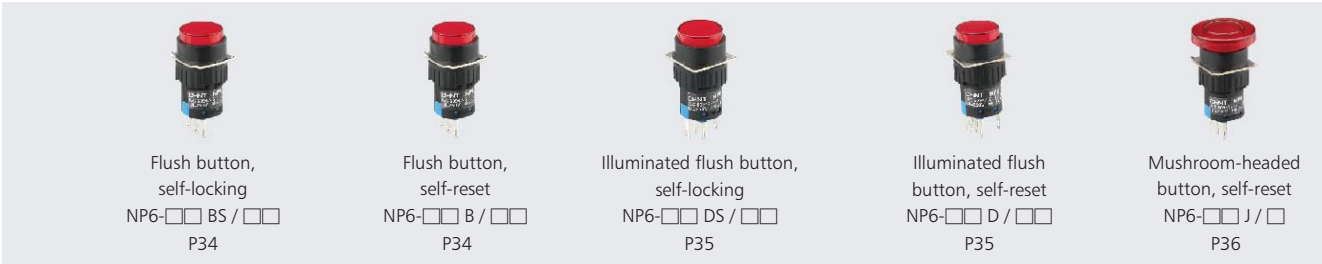
2. Working & mounting conditions

- 2.1 Ambient temperature is -5°C~+40°C, the average temperature during 24 hours couldn't exceed +35°C.
- 2.2 Altitude: ≤2000m.
- 2.3 Atmosphere condition:
Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40°C; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20°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



Flush button, self-locking
NP6-□□ BS / □□
P34

Flush button, self-reset
NP6-□□ B / □□
P34

Illuminated flush button, self-locking
NP6-□□ DS / □□
P35

Illuminated flush button, self-reset
NP6-□□ D / □□
P35

Mushroom-headed button, self-reset
NP6-□□ J / □
P36



Mushroom-headed button, self-locking
NP6-□□ ZS / □
P37

Key switch
NP6-□□ Y / □□
P37

Selector switch
NP6-□□ X / □□
P36

Indicator light
NP6-XD / □□
P37

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: ≤50mΩ

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

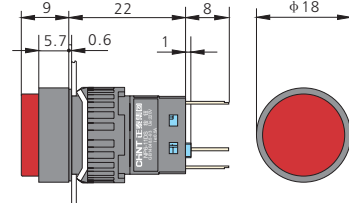
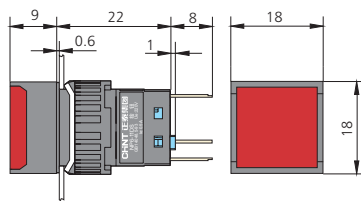
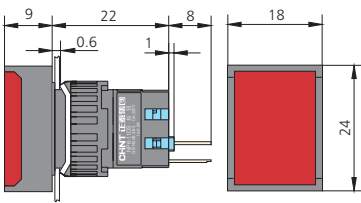
NP6-□□ BS/ □ Y	Model	Color	⚡
 	NP6-11BS/1Y	○	1
	NP6-11BS/2Y	●	1
	NP6-11BS/3Y	●	1
	NP6-11BS/4Y	●	1
	NP6-11BS/5Y	●	1
	NP6-11BS/6Y	●	1
	NP6-11BS/7Y	●	1
	NP6-22BS/1Y	○	2
	NP6-22BS/2Y	●	2
	NP6-22BS/3Y	●	2
	NP6-22BS/4Y	●	2
	NP6-22BS/5Y	●	2
	NP6-22BS/6Y	●	2
	NP6-22BS/7Y	●	2

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	⚡
  Rectangle 5PINS	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

NP6-□□ DS/ □ J	Model	Color	⚡
  Rectangle 5PINS	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

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

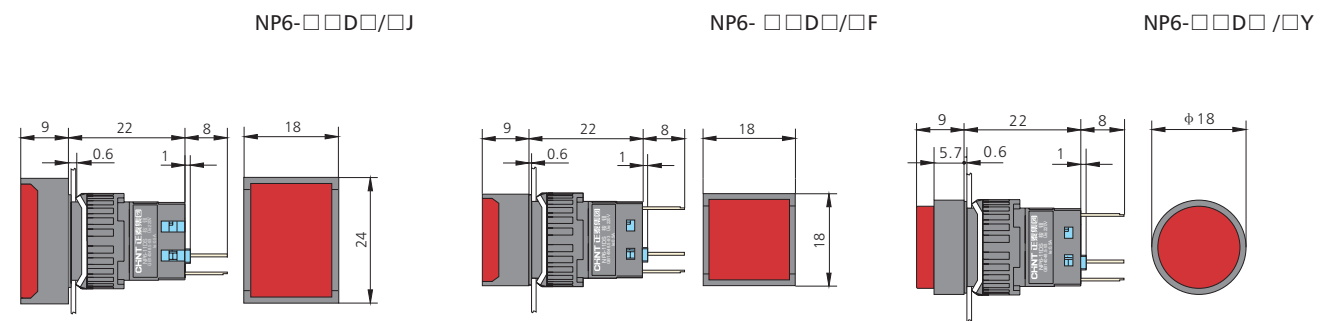
NP6-□□ D/ □ Y	Model	Color	⌚
	NP6-11D/1Y	○	1
	NP6-11D/3Y	●	1
	NP6-11D/4Y	●	1
	NP6-11D/5Y	●	1
	NP6-11D/6Y	●	1
	NP6-11D/7Y	●	1
	NP6-22D/1Y	○	2
	NP6-22D/3Y	●	2
	NP6-22D/4Y	●	2
	NP6-22D/5Y	●	2
	NP6-22D/6Y	●	2
	NP6-22D/7Y	●	2

Round 5PINS

NP6-□□ DS/ □ Y	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

Round 5PINS

Dimensions (mm)



★ 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

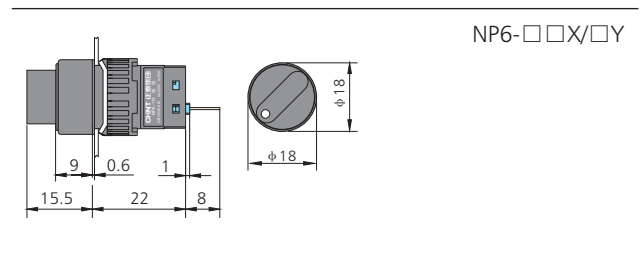
★ Selector Switches (Non illuminated)

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	●	1
	NP6-22ZS/4	●	2

Dimensions (mm)



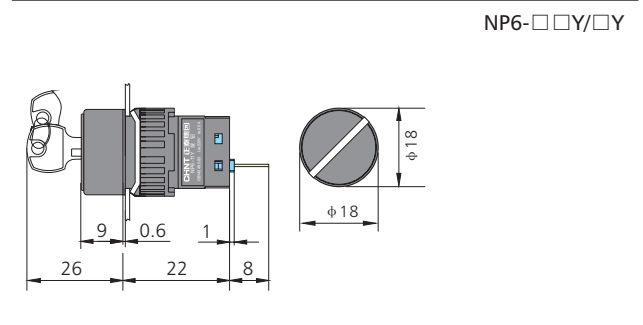
★ Indicator

NP6-XD/ □□	Model	Color	Voltage
	NP6-XD/1J	○	DC 6V, DC 12V, DC 24V
	NP6-XD/3J	●	
	NP6-XD/4J	●	
	NP6-XD/5J	●	
	NP6-XD/6J	●	
	NP6-XD/7J	●	DC 6V, DC 12V, DC 24V
	NP6-XD/1F	○	
	NP6-XD/3F	●	
	NP6-XD/4F	●	
	NP6-XD/5F	●	
	NP6-XD/6F	●	DC 6V, DC 12V, DC 24V
	NP6-XD/7F	●	
	NP6-XD/1Y	○	
	NP6-XD/3Y	●	
	NP6-XD/4Y	●	
	NP6-XD/5Y	●	
	NP6-XD/6Y	●	
NP6-XD/7Y	●		

★ Selector Switches With Key(Non illuminated)

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

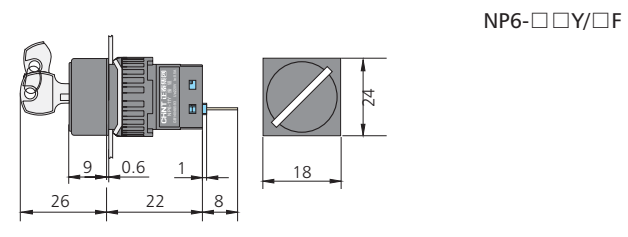
Dimensions (mm)



★ Selector Switches With Key(Non illuminated)

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

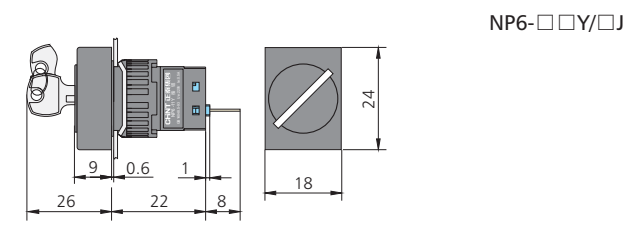
Dimensions (mm)



★ 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

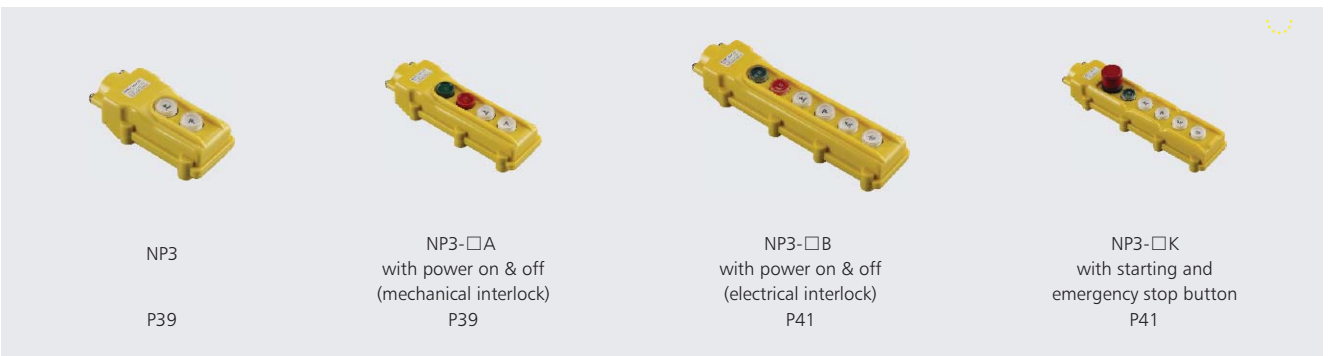
Rated operational voltage U_e (V)		380	220	110
Rated operational current I_e (A)	AC-15	2.5	4.5	-
	DC-13	-	0.3	0.6

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)



NP3

P39






NP3-□A
 with power on & off
 (mechanical interlock)
 P39

NP3-□B
 with power on & off
 (electrical interlock)
 P41





NP3-□K
 with starting and
 emergency stop button
 P41

5. NP3 series indicator

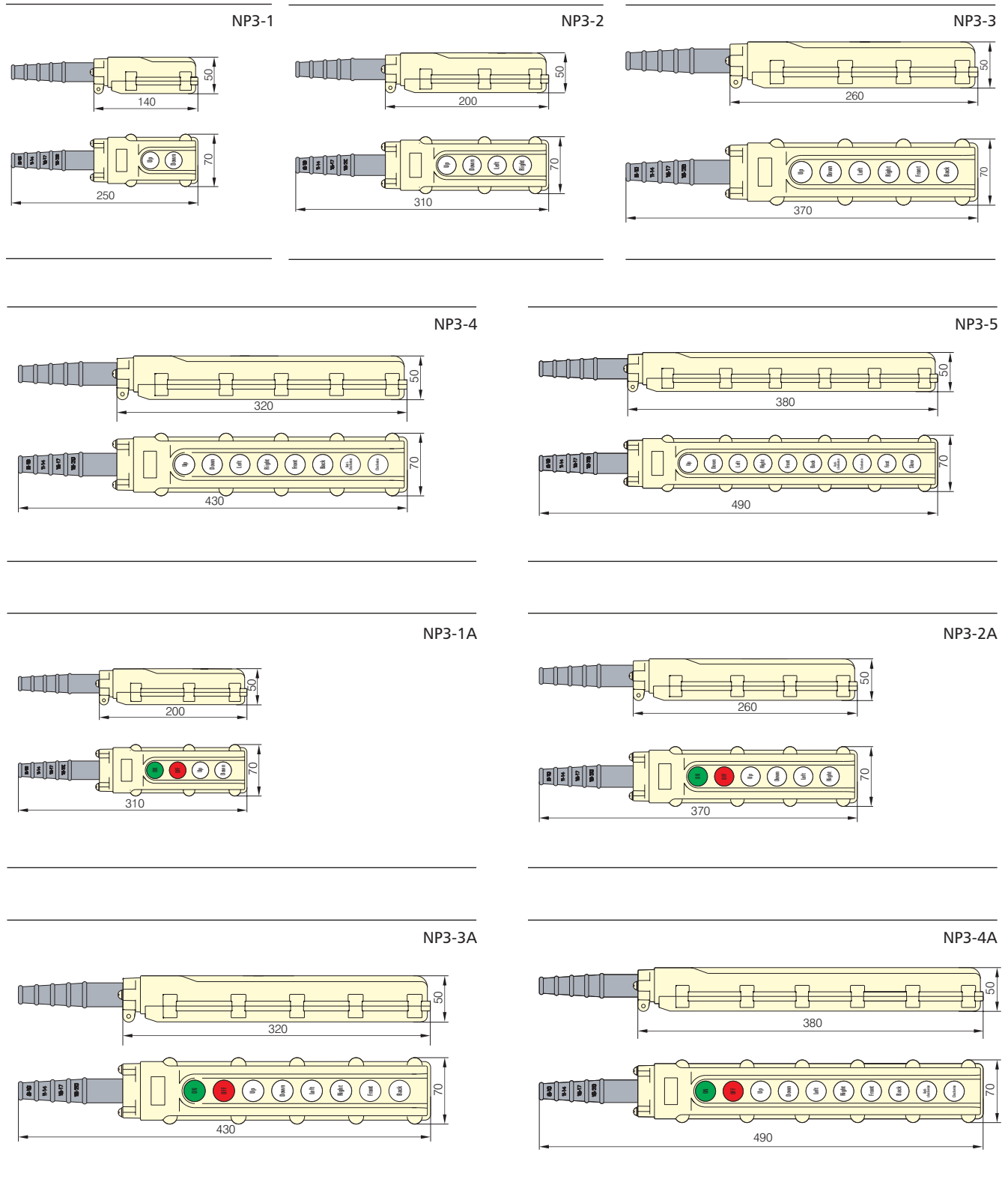
★ Momentary Flush button

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)



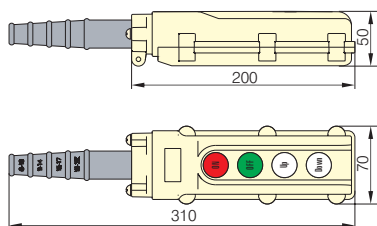
★ Momentary Flush button With Power Switching

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

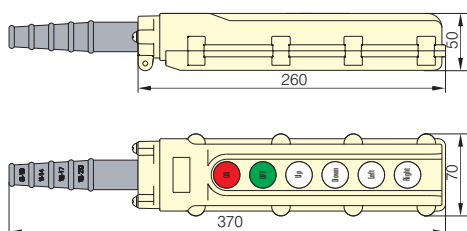
★ Momentary Flush button With Power Switching
("start" button Maintained)

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

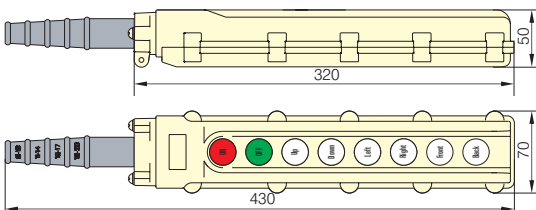
NP3-1B



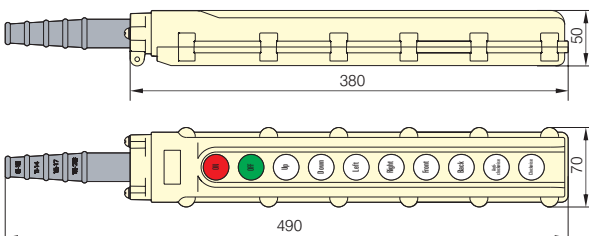
NP3-2B

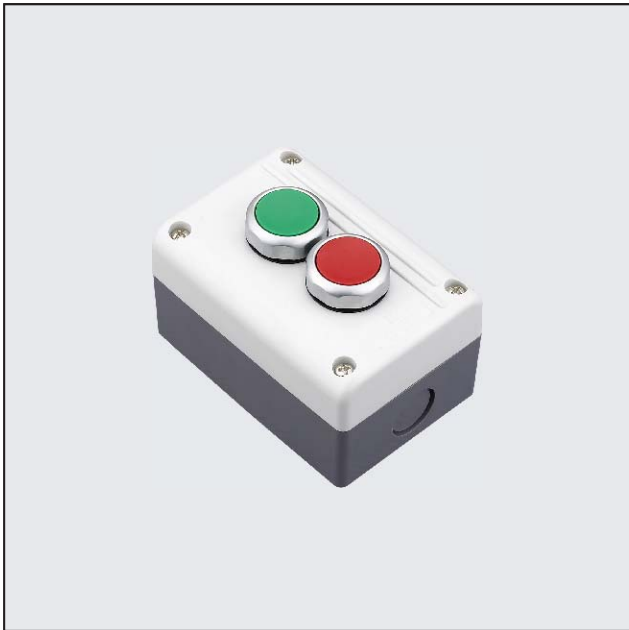


NP3-3B



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

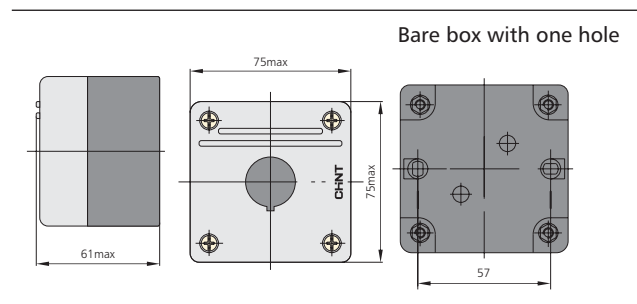
Bare box with one hole

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

Bare box with two hole

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

Dimension (mm)

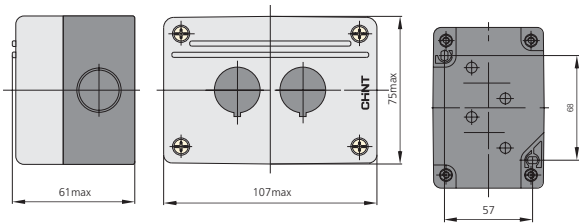


Bare box with three hole

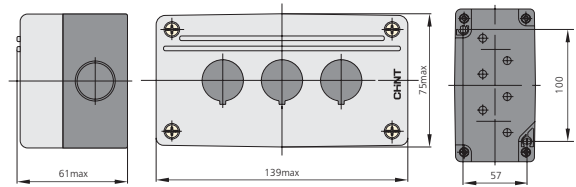
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	●	IP54
	NPH1-3J		IP40
	NPH1-30	●	IP54
	NPH1-3		IP40

Dimension (mm)

Bare box with two hole



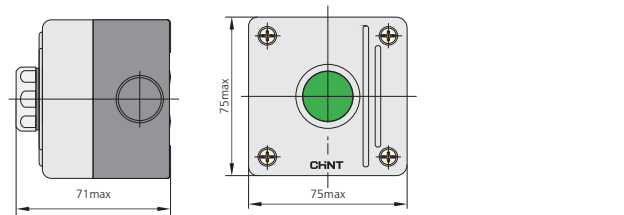
Bare box with three hole



Box with one hole (with flush button)

	Model	Specifications		
		Type of positions	Color	
	NPH1-1001	1	—	●
	NPH1-1002	1	—	●
	NPH1-1003	—	1	●
	NPH1-1004	—	1	● ○

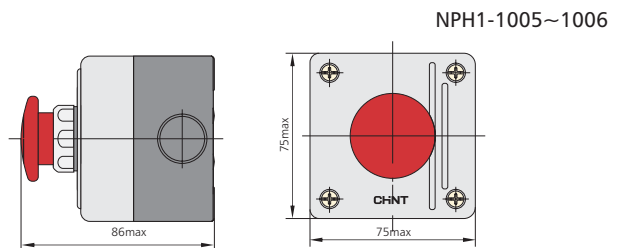
Dimension (mm)



Box with one hole (with mushroom-headed button)

	Model	Specifications			
		Type of positions	Color		
	NPH1-1005	φ 40	1	—	●
	NPH1-1006	φ 40	—	1	●

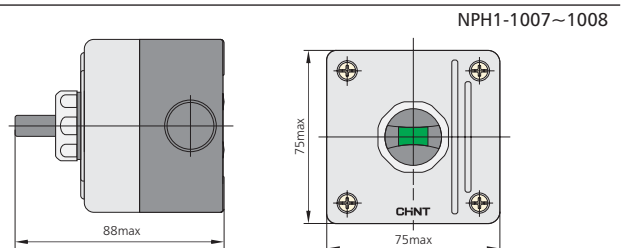
Dimension (mm)



Box with one hole (with selector switch)

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

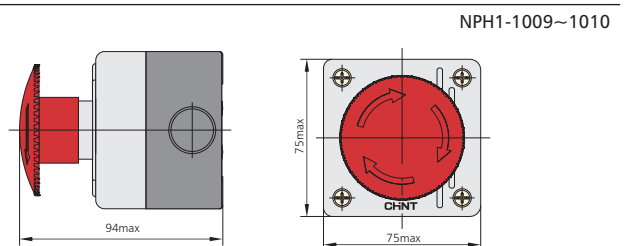
Dimension (mm)





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

	Model	Specifications			
		Type of positions	Color		
	NPH1-1009	φ 40	—	1	●
	NPH1-1010	φ 60	—	1	●

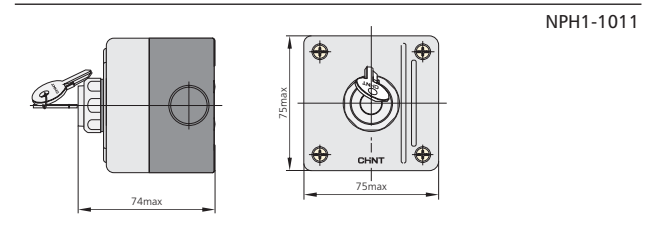
Dimension (mm)




Box with one hole (with key switch)

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

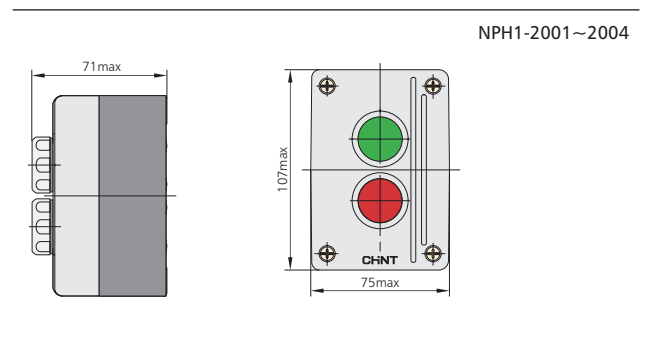
Dimension (mm)




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)

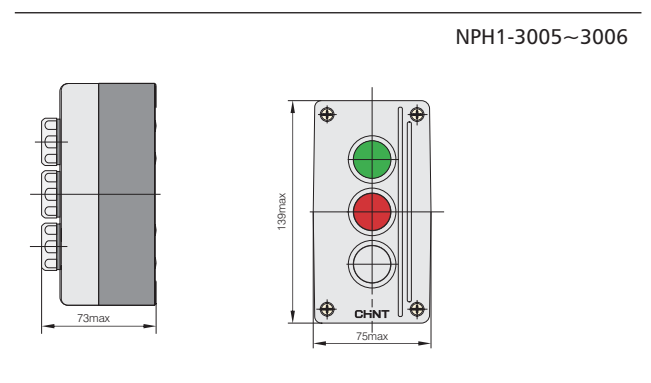
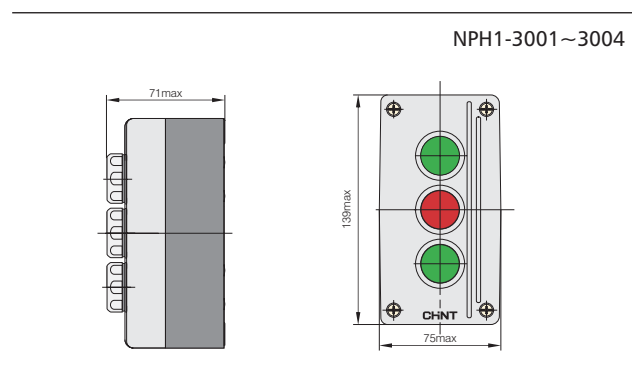


Box with three holes (with flush button)

	Model	Specifications			
		↖	↗		Color
	NPH1-3001	1	—		●
		—	1		●
	NPH1-3002	1	—		● 1
		—	1		● ○
NPH1-3003	1	—		○ ←	
	—	1		● →	
NPH1-3004	1	—		○ ↑	
	—	1		● ↓	

	Model	Specifications			
		↖	↗		Color
	NPH1-3005	1			●
			1NC		●
	NPH1-3006	Indicator light		AC/DC 24V	●
		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	$I_e \leq 20$	≥ 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)

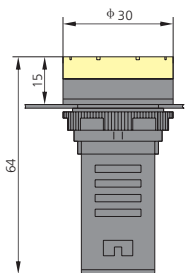
ND16-22A/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22A/4 (W)	○
		ND16-22A/4 (G)	●
		ND16-22A/4 (R)	●
		ND16-22A/4 (Y)	●
		ND16-22A/4 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22A/4 (W)-F	○
		ND16-22A/4 (G)-F	●
		ND16-22A/4 (R)-F	●
		ND16-22A/4 (Y)-F	●
		ND16-22A/4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

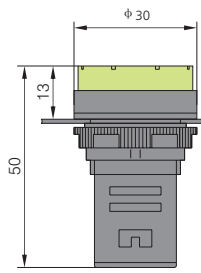
Dimensions (mm)

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)	●
			

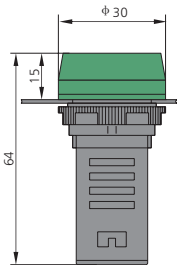
★ Compacted Flat Round Platform-Lampshape (Resistance type)

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)

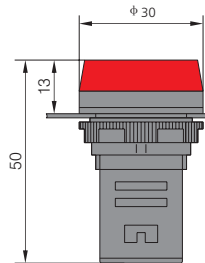


ND16-22B/□

★ 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 (B)	●

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 (B)	●


★ 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 (B)	●

★ Arc Surface ripple-Lampshade (Capacitance type)

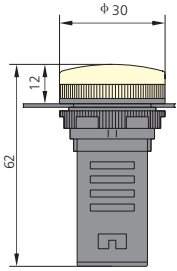
ND16-22C/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22C/4 (W)	○
		ND16-22C/4 (G)	●
		ND16-22C/4 (R)	●
		ND16-22C/4 (Y)	●
		ND16-22C/4 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22C/4 (W)-F	○
		ND16-22C/4 (G)-F	●
		ND16-22C/4 (R)-F	●
		ND16-22C/4 (Y)-F	●
		ND16-22C/4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

★ Compacted Arc Surface ripple-Lampshade (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 (B)	●

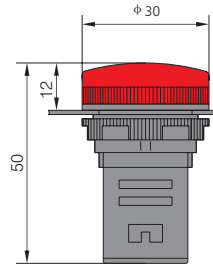
Dimensions (mm)

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)	●
			



★ 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)

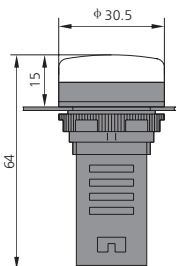
ND16-22D/4	Lamp-Voltage	Model	Color
	LED: AC 110V, 230V, 400V	ND16-22D/4 (W)	○
		ND16-22D/4 (G)	●
		ND16-22D/4 (R)	●
		ND16-22D/4 (Y)	●
		ND16-22D/4 (B)	●
	LED: AC 230VF, 400VF; (to be used in capacitor gear)	ND16-22D/4 (W)-F	○
		ND16-22D/4 (G)-F	●
		ND16-22D/4 (R)-F	●
		ND16-22D/4 (Y)-F	●
			

★ 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)	●
			

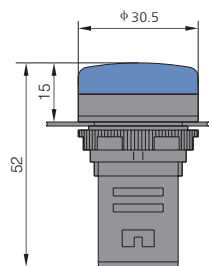
Dimensions (mm)

ND16-22D/□






Dimensions (mm)



ND16-22DS/□






★ 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

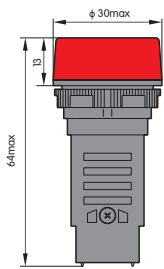
★ Continuous type

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

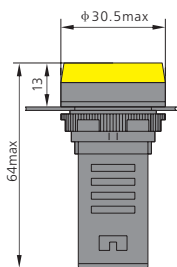
★ Continuous & lit type

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

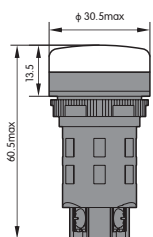
Dimension (mm)



- 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



ZHEJIANG CHINT ELECTRICS CO.,LTD.

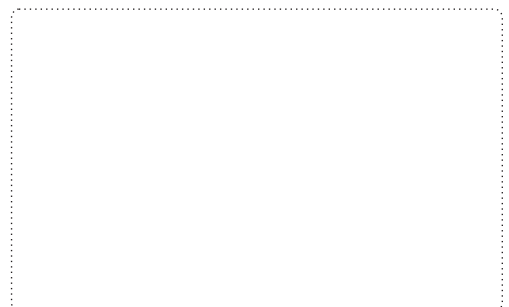
Add: No. 1, CHINT Road, CHINT Industrial Zone, North Baixiang,
Yueqing, Zhejiang, 325603, P.R.China

Tel: +86-577-62877777

Fax: +86-577-62775769 62871811

E-mail: global-sales@chint.com

Website: www.chint.net



Jul 2011

