



NPH1 Series Pushbutton Boxes

1. General

Electric ratings: AC50/60Hz, AC415V/DC250V;
Degree of protection: IP65
Standard: IEC/EN60947-5-1

2. Operating conditions

2.1 Ambient temperature is $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, the average temperature during 24 hours couldn't exceed $+35^{\circ}\text{C}$.
2.2 Altitude: $\leq 2000\text{m}$.



4. NPH1 Enclosure

Enclosure with one hole

	Model	Specifications	
		Color	Protection degree
	NPH1-10J	Yellow	IP65
	NPH1-10	Grey	IP65

Enclosure with two hole

	Model	Specifications	
		Color	Protection degree
	NPH1-20J	Yellow	IP65
	NPH1-20	Grey	IP65

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

2.6 Tightening torque is $0.8 \sim 1.2\text{N}\cdot\text{m}$ for the cable terminals.

Cross section of the cable connection is $0.5 \sim 2.5\text{mm}^2$, and 8mm conductor length is needed.

3. Technical data

3.1 Conventional heating current Ith: 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:

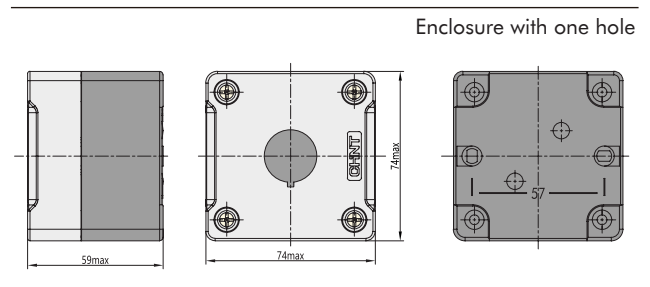
1 million operations,

other type: 1×10^5 operations

Rated operational voltage	Rated operational current
AC/DC 6V, 12V, 24V, 36V	$\leq 20\text{mA}$
AC 110V~230V	$\leq 20\text{mA}$

3.3 Short-circuit protective device: gG16

Dimension(mm)

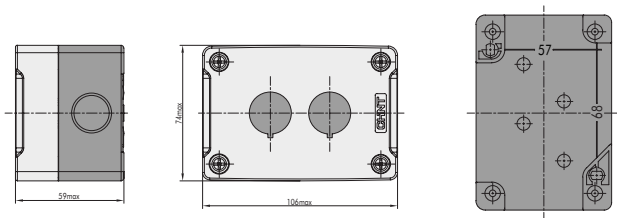


Enclosure with three hole

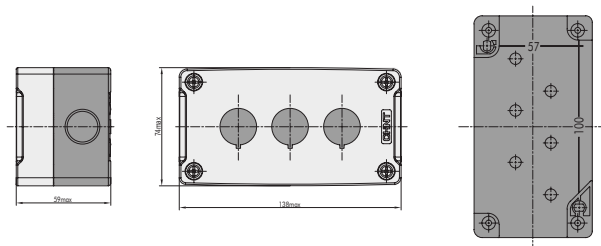
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	Yellow	IP65
	NPH1-30	Grey	IP65

Dimension(mm)

Enclosure with two hole



Enclosure with three hole

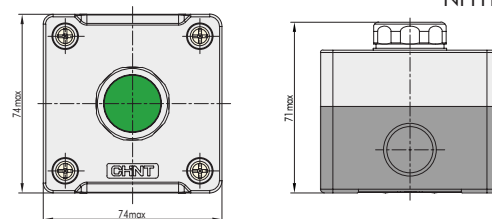


Dimension(mm)

Box with one hole (with flush button)

	Model	Specifications			Color
		Type of positions	Number of positions	Number of positions	
	NPH1-1001	1	—	—	Green
	NPH1-1002	1	—	—	Green
	NPH1-1003	—	1	—	Red
	NPH1-1004	—	1	—	Red

NPH1-1001~1004

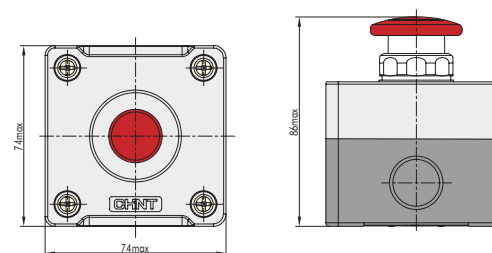


Dimension(mm)

Box with one hole (with mushroom-headed button)

	Model	Specifications			Color
		Type of positions	Number of positions	Number of positions	
	NPH1-1005	Φ 40	1	—	Green
	NPH1-1006	Φ 40	—	1	Red

NPH1-1005~1006

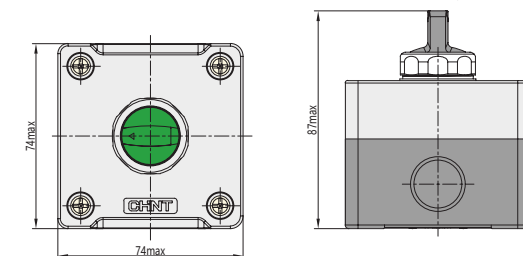


Dimension(mm)

Box with one hole (with selector switch)

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

NPH1-1007~1008

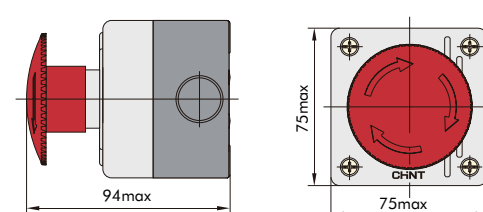


Dimension(mm)

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

	Model	Specifications			Color
		Type of positions	Number of positions	Number of positions	
	NPH1-1009	Φ 40	—	1	Red
	NPH1-1010	Φ 60	—	1	Red

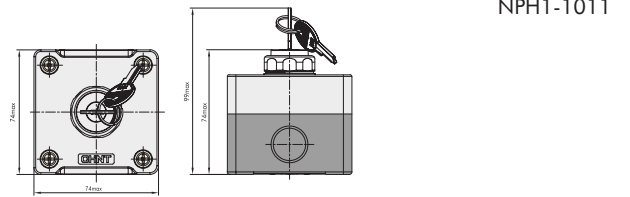
NPH1-1009~1010



Box with one hole (with key switch)

	Model	Specifications	
		Type of positions	
	NPH1-1011		1

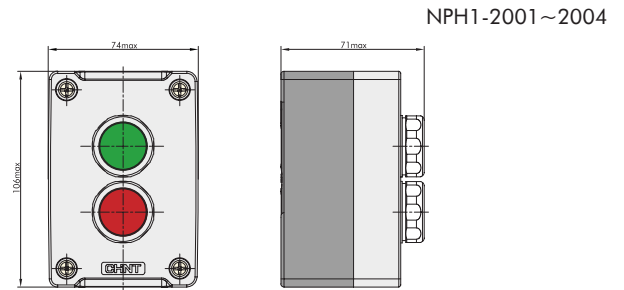
Dimension(mm)



Box with two holes (with flush button)

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

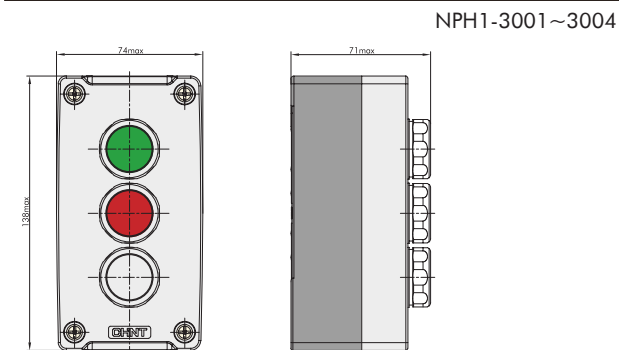
Dimension(mm)



Box with three holes (with flush button)

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

Dimension(mm)



	Model	Specifications			Color
	NPH1-3005	1			●
			1		●
		Indicator light		AC/DC 24V	●
	NPH1-3006	1			● I
			1		● ○
		Indicator light		AC/DC 24V	●

