



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:

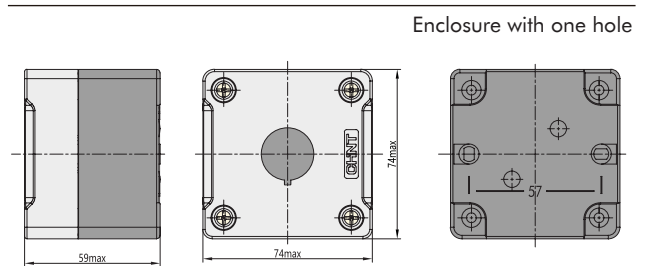
1 million operations,

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)

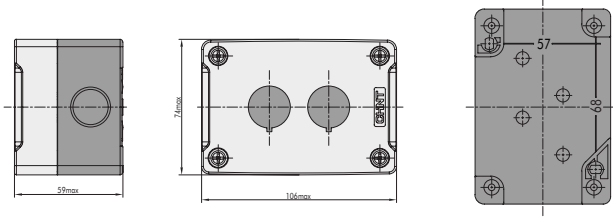


Enclosure with three hole

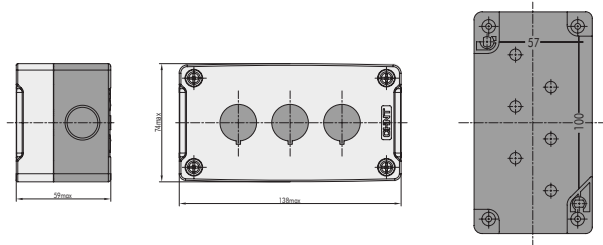
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	Yellow	IP65
	NPH1-30	Grey	IP65

Dimension(mm)

Enclosure with two hole



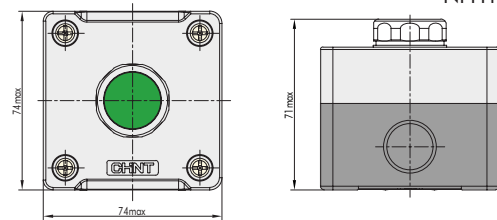
Enclosure with three hole



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)

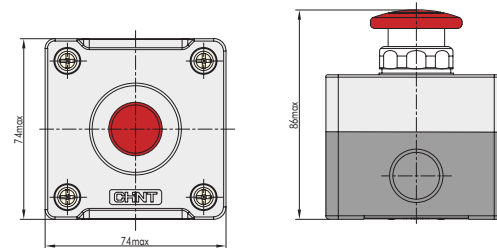


NPH1-1001~1004

Box with one hole (with mushroom-headed button)

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

Dimension(mm)

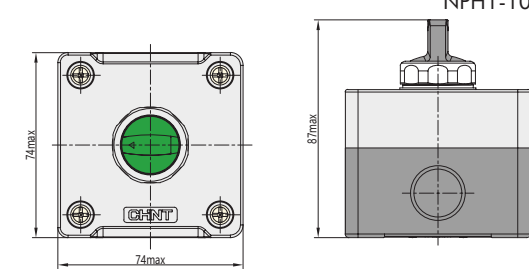


NPH1-1005~1006

Box with one hole (with selector switch)

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

Dimension(mm)

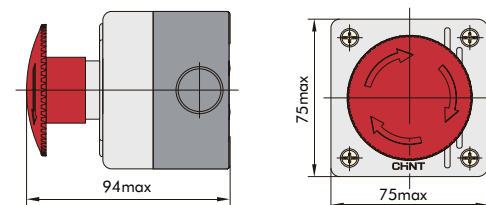


NPH1-1007~1008

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



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

Dimension(mm)

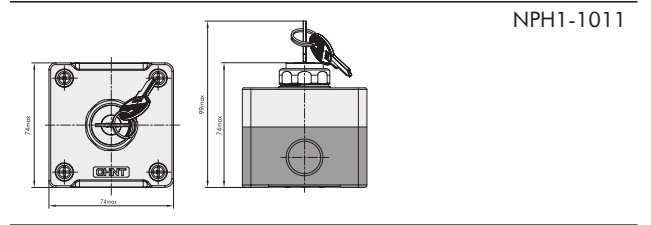


NPH1-1009~1010


Box with one hole (with key switch)

	Model	Specifications	
		Type of positions	
	NPH1-1011		1

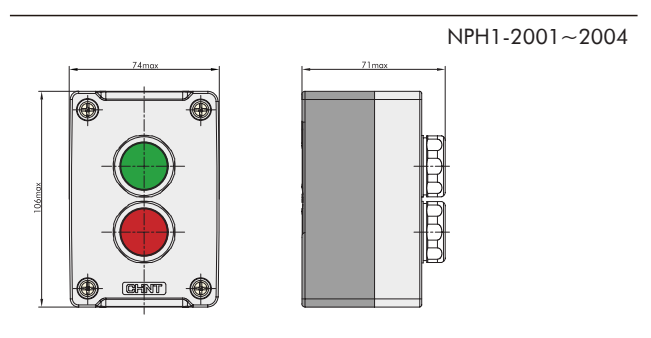
Dimension(mm)




Box with two holes (with flush button)


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

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

Dimension(mm)

