



NPH1 Pushbutton Box

1. General

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

2. Operating conditions

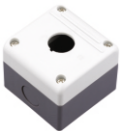
2.1 Ambient temperature is -5°C~+40°C, the average temperature during 24 hours couldn't exceed +35°C.

2.2 Altitude: ≤2000m.

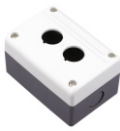


4. NPH1 Enclosure

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
		Grey	IP65

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 grade: 3

2.5 Installation category: II

2.6 Tightening torque is 0.8~1.2N·m for the cable terminals.
Cross section of the cable connection is 0.5~2.5mm², and 8mm conductor length is needed.

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 5×10⁵ operations, DC 2.5×10⁵ operations;

other type: 1×10⁵ operations;

Mechanical life: flush-headed and mushroom-headed type:

1 million operations,

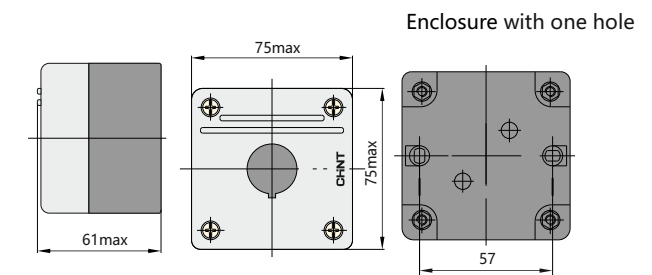
button with light: 3×10⁶ operations;

other type: 1×10⁵ operations


Rated operational voltage	Rated operational current
AC/DC 6V, 12V, 24V, 36V	≤20mA
AC 110V~230V	≤20mA

3.3 Short-circuit protective device: NT00-16 16A

Dimension (mm)

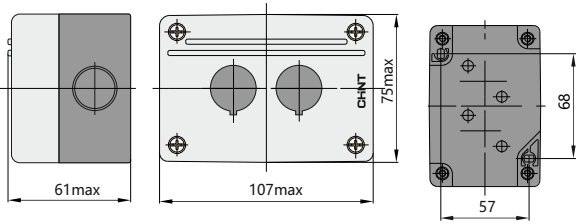


Enclosure with three hole

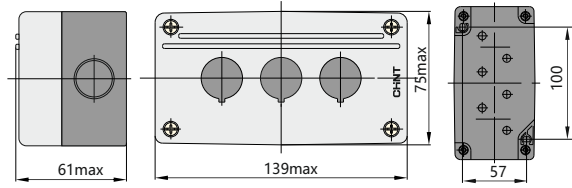
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	Yellow	IP65
		Grey	IP65

Dimension (mm)

Enclosure with two hole



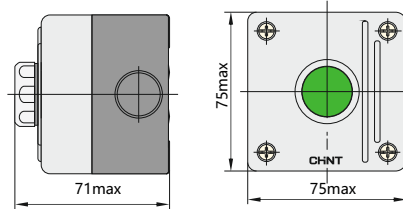
Enclosure with three hole



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	● ○

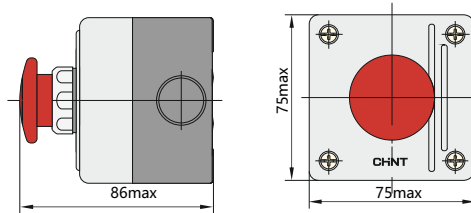
NPH1-1001~1004



Box with one hole (with mushroom-headed button)

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

NPH1-1005~1006

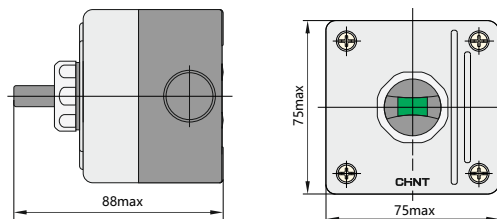


Dimension (mm)

Box with one hole (with selector switch)

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

NPH1-1007~1008

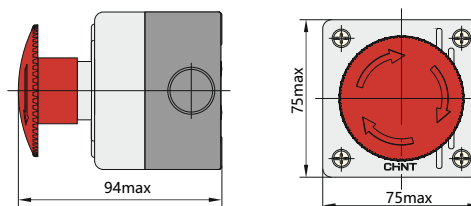


Dimension (mm)



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	●

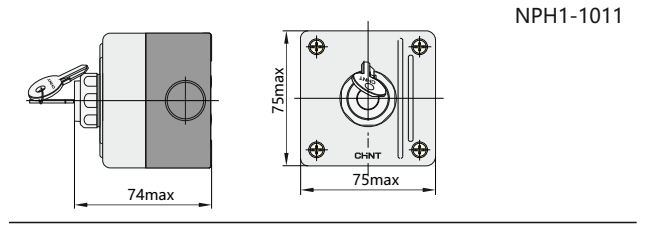
NPH1-1009~1010




Box with one hole (with key switch)

	Model	Specifications		
		Type of positions		
	NPH1-1011		—	1

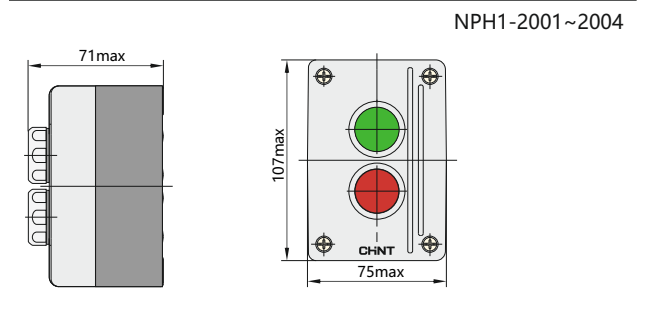
Dimension (mm)




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
	NPH1-3001	1	—	●
		—	1	●
	NPH1-3002	1	—	● I
		—	1	● ○
	NPH1-3003	1	—	● II
		—	1	○ ←
	NPH1-3004	1	—	● →
		—	1	○ ↑
	NPH1-3005	1	—	●
		—	1NC	●
	NPH1-3006	1	—	● I
		—	1	● ○
	NPH1-3006	Indicator light	AC/DC 24V	●
		Indicator light	AC/DC 24V	●

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

Dimension (mm)

