



## 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  $5 \times 10^5$  operations, DC  $2.5 \times 10^5$  operations;

other type:  $1 \times 10^5$  operations;

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

1 million operations,

button with light:  $3 \times 10^6$  operations;

other type:  $1 \times 10^5$  operations

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

### 4. NPH1 Enclosure

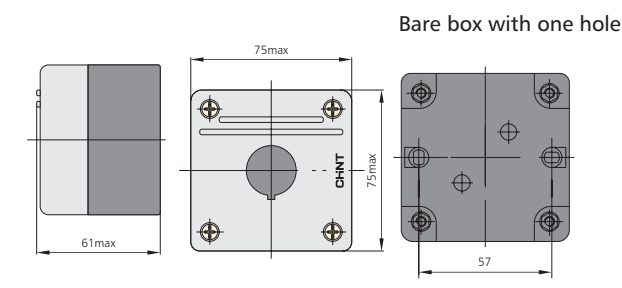
Bare box with one hole

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

Bare box with two hole

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

Dimension (mm)

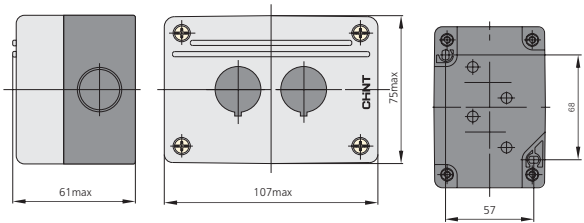


Bare box with three hole

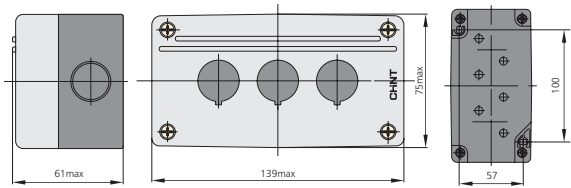
	Model	Specifications	
		Color	Protection degree
	NPH1-30J	Yellow	IP54
	NPH1-3J		IP40
	NPH1-30	Grey	IP54
	NPH1-3		IP40

Dimension (mm)

Bare box with two hole



Bare box with three hole

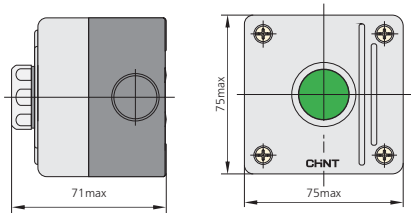


Box with one hole (with flush button)

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

Dimension (mm)

NPH1-1001~1004

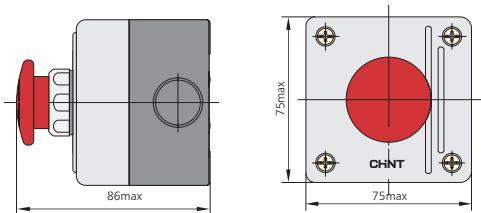


Box with one hole (with mushroom-headed button)

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

Dimension (mm)

NPH1-1005~1006

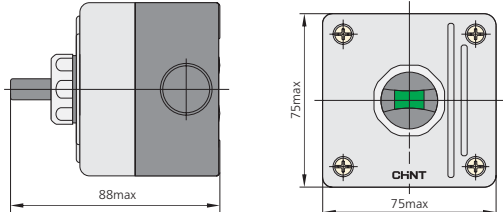


Box with one hole (with selector switch)

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

Dimension (mm)

NPH1-1007~1008

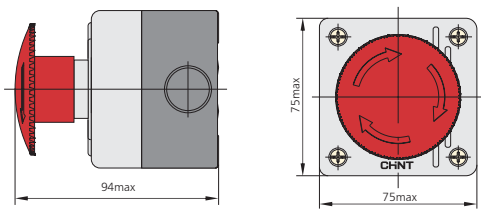


Box with one hole (with mushroom-headed button,self-locking)



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

Dimension (mm)

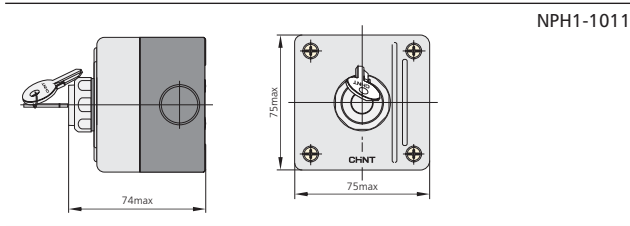
NPH1-1009~1010













Box with one hole (with key switch)

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

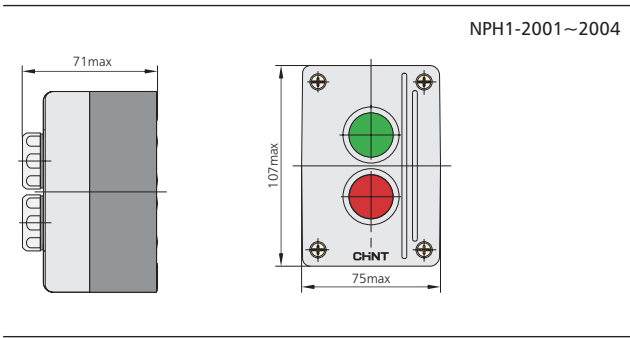
Dimension (mm)



















Box with two holes (with flush button)









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

Dimension (mm)



Box with three holes (with flush button)

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

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

Dimension (mm)

