

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 ℃ ~+40 ℃ , the average temperature during 24 hours couldn't exceed +35℃ .
2.2 Altitude: ≤2000m.

2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40℃ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20℃ , 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 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	-

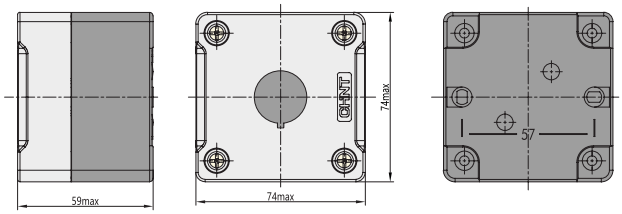
Life
Electric life: Flush-headed and mushroom-headed type:
AC 5×10^5 operations, DC2.5×10^5 operations;
other type: 1×10^5 operations;
Mechanical life: flush-headed and mushroom-headed type:
1 million operations,
other type: 1×10^5 operations

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

3.3 Short-circuit protective device: gG16

Dimension(mm)

Enclosure with one hole



4. NPH1 Enclosure

Enclosure with one hole

	Model	Specifications	
		Color	Protection degree
	NPH1-10J	●	IP65
	NPH1-10	●	IP65

Enclosure with two hole

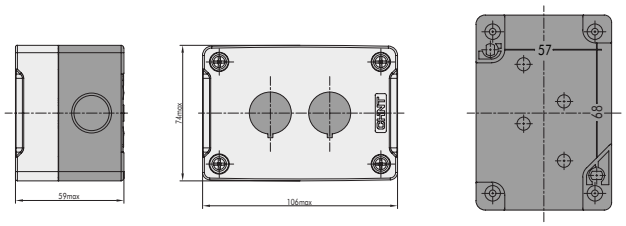
	Model	Specifications	
		Color	Protection degree
	NPH1-20J	●	IP65
	NPH1-20	●	IP65

Enclosure with three hole

	Model	Specifications	
		Color	Protection degree
	NPH1-30J	●	IP65
	NPH1-30	●	IP65

Dimension(mm)

Enclosure with two hole



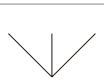
Box with one hole (with flush button)

	Model	Specifications		
				Color
	NPH1-1001	1	—	●
	NPH1-1002	1	—	● |
	NPH1-1003	—	1	●
	NPH1-1004	—	1	● ○

Box with one hole (with mushroom-headed button)

	Model	Specifications			
					Color
	NPH1-1005	Φ40	1	—	●
	NPH1-1006	Φ40	—	1	●

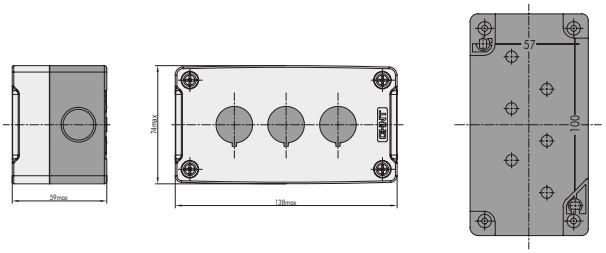
Box with one hole (with selector switch)

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

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

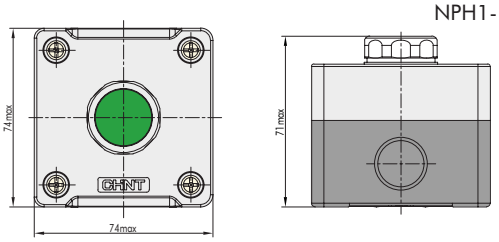
	Model	Specifications			
					Color
	NPH1-1009	Φ40	—	1	●
	NPH1-1010	Φ60	—	1	●

Enclosure with three hole



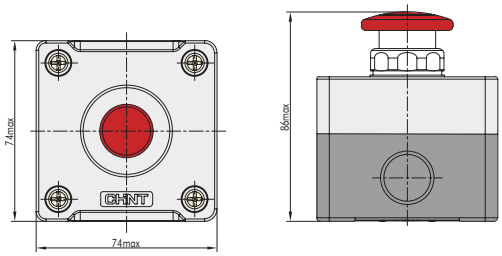
Dimension(mm)

NPH1-1001～1004



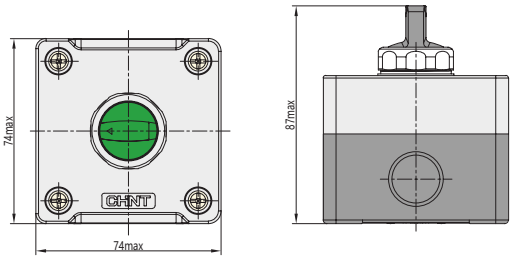
Dimension(mm)

NPH1-1005～1006



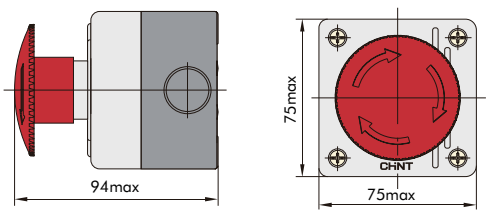
Dimension(mm)

NPH1-1007～1008



Dimension(mm)

NPH1-1009～1010



Box with one hole (with key switch)

	Model	Specifications		
		Type of positions		
	NPH1-1011		—	1

Box with two holes (with flush button)

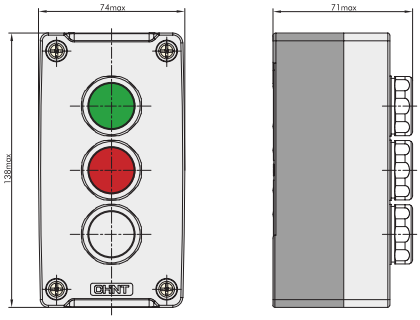
	Model	Specifications		
				Color
	NPH1-2001	1	—	
		—	1	
	NPH1-2002	1	—	I
		—	1	
	NPH1-2003	1	—	→
		—	1	←
	NPH1-2004	1	—	↑
		—	1	↓

Box with three holes (with flush button)

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

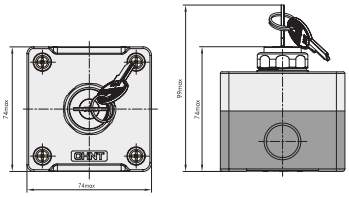
Dimension(mm)

NPH1-3001～3004



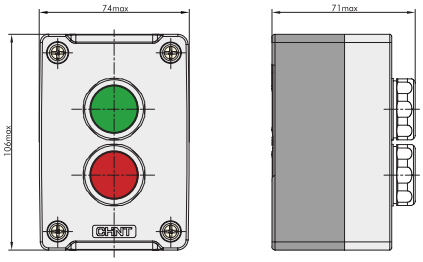
Dimension(mm)

NPH1-1011



Dimension(mm)

NPH1-2001～2004



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

NPH1-3005～3006

