























★ Metal-headed

						
Flushbutton NP2-BA □□ P16	φ 40mm mushroom button NP2-BC □□ P18	φ 60mm mushroom button NP2-BR □□ P18	φ 40mm mushroom button stay-up, pull to reset NP2-BT □□ P18	Mushroom button, stay-up, rotated to reset NP2-BS □□ P18	Selector button with rotary knob NP2-BD □□ P20	Selector button with rotary handle NP2-BJ □□ P20
						
Key switch NP2-BG □□ P20	Double-headed button NP2-BL8 □□□ P18	Illuminated button NP2-BW3 □□□ P17	Illuminated double- headed button NP2-BW8 □□□ P19	Indicator light NP2-BV □□ P19		

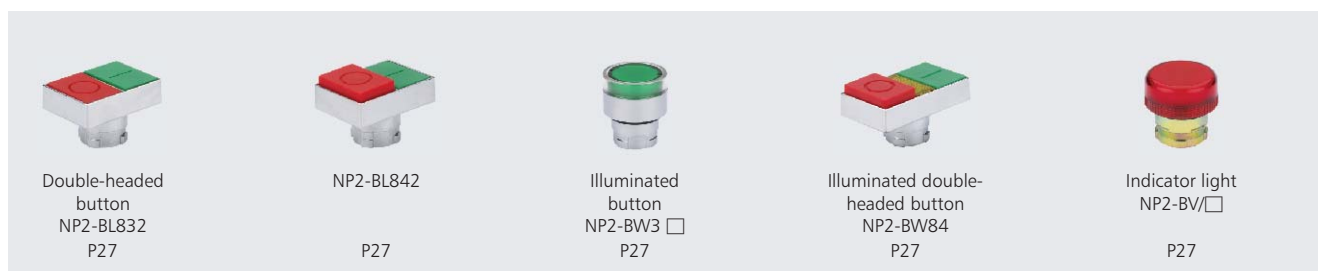
★ Plastic-headed

					
Flushbutton NP2-EA □□ P21	φ 40mm mushroom button NP2-EC □□ P22	φ 60mm mushroom button NP2-ER □□ P22	Mushroom button, stay-up, rotated to reset NP2-ES □□ P24	Selector button with rotary knob NP2-ED □□ P25	Selector button with rotary handle NP2-EJ □□ P25
					
Key switch NP2-EG □□ P26	Double-headed button NP2-EL8 □□□ P23	Illuminated double-headed button NP2-EW8 □□□ P23	Indicator light NP2-EV □□ P24	Economic indicator light NP2-EV16 □ P25	

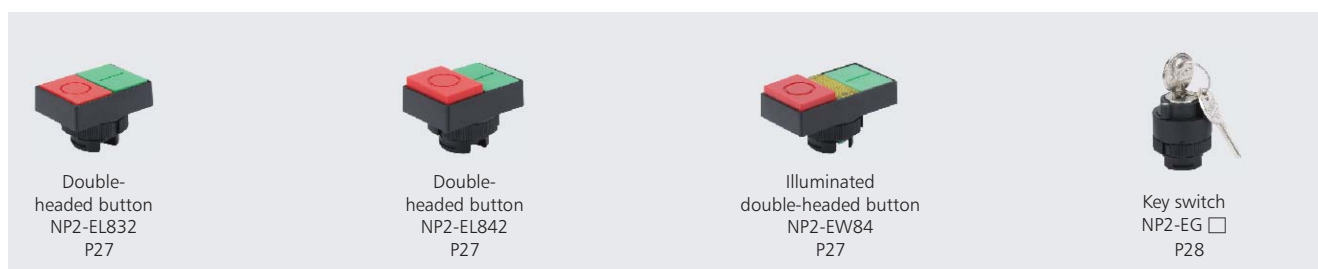
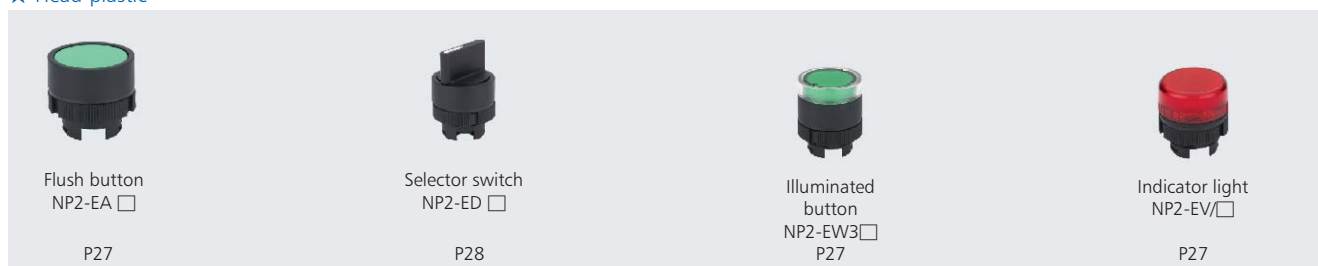
Seperated modulers Head

★ Head-metal

				
Flush button NP2-BA □ P27	Illuminated button NP2-BW3 □ P27	Illuminated button NP2-EW3 □ P27	Selector switch NP2-BD □ P28	Key switch NP2-BG □ P28



★ Head-plastic



**Adaptor**

Metal



Plastic



Base



**Accessories**

Bulbs



Warning Label



Water-proof enclosure





## NP2 Pilot Device

### 1. General

Electric ratings: AC50/60Hz, AC380V/DC220V;  
Degree of protection: IP40  
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:  $\leq 2000\text{m}$ .
- 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 degree: 3
- 2.5 Overvoltage category: II

### 3. Technical data

- 3.1 Rated insulation voltage  $U_i$ : 415V
- 3.2 Conventional thermal current  $I_{th}$ : 10A

Rated operational voltage $U_e$ (V)	Rated operational current $I_e$ (A)	
	AC-15	DC-13
415	1.9	-
240	3	0.27
125	-	0.55

### 3.3 Durability

Electric life: Flush-headed and mushroom-headed type: AC  $5 \times 10^5$  operation circles, DC  $2 \times 10^5$  operation circles; other type:  $1 \times 10^5$  operation circles;  
Mechanical life: flush-headed and mushroom-headed type: 1 million operation circles, button with light:  $3 \times 10^5$  operation circles; other type:  $1 \times 10^5$  operation circles.

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

### 4. Data of lamps of illuminated button

Basic parameters	Direct type
	LED lamp
Rated operational current $I_e$	$I_e \leq 20\text{mA}$
Rated operational voltage (V)	AC/DC 6, 12, 24, 48, 110, 230
	Transformer type 6V LED lamp
Power supply rated operational current $I_e$	$I_e \leq 20\text{mA}$
Rated operational voltage (V)	AC/DC 230, 380

### 5. Features

- 5.1 No-dismounting of the button from the front side thanks to anti-moving operating part of metal type button;
- 5.2 Reliable contacting could be ensured because of dual functions of circuit switching and self-cleaning for all contacting points;
- 5.3 NC and NO contacting assemblies are independent to each other, and could be freely combined for convenient replacement;
- 5.4 Concealed connection terminals make the operation safe and reliable. Elegant appearance due to adoption of Aluminum and Zinc alloy in metal type button operating parts and bases.



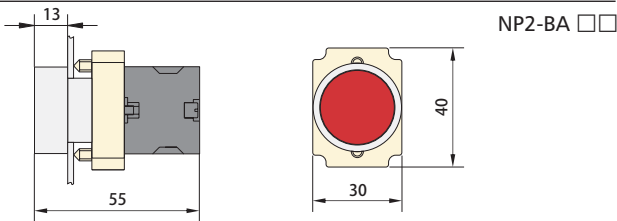
**6. NP2 Pilot Device (Drill Plan  $\phi 22.3$ )**

★ Momentary Flush Pushbutton (Non-illuminated)

NP2-BA □□	Model	Color		
	NP2-BA11	○	1	—
	NP2-BA21	●	1	—
	NP2-BA31	●	1	—
	NP2-BA41	●	1	—
	NP2-BA51	●	1	—
	NP2-BA61	●	1	—
	NP2-BA12	○	—	1
	NP2-BA22	●	—	1
	NP2-BA32	●	—	1
	NP2-BA42	●	—	1
	NP2-BA52	●	—	1
	NP2-BA62	●	—	1



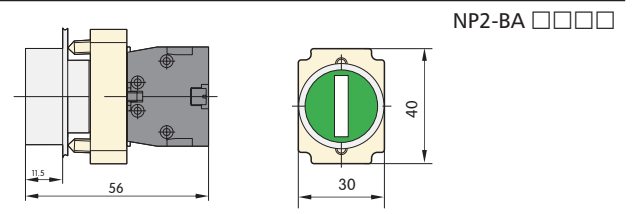
Dimensions (mm)



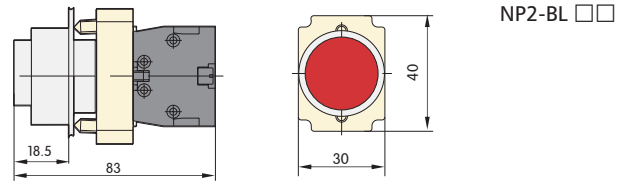
NP2-BA □□□□	Model	Color		
	NP2-BA3311	●	1	—
	NP2-BA2365	●	1	1
	NP2-BA4322	●	—	1
	NP2-BA2351	●	1	—
	NP2-BA1345	●	1	1



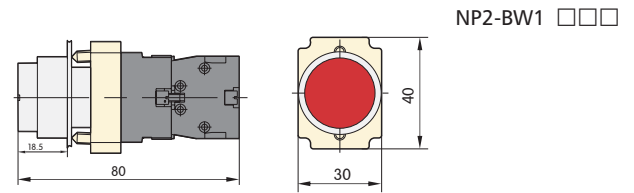
NP2-BA □□	Model	Color		
	NP2-BA13	○	2	—
	NP2-BA23	●	2	—
	NP2-BA33	●	2	—
	NP2-BA43	●	2	—
	NP2-BA53	●	2	—
	NP2-BA63	●	2	—
	NP2-BA14	○	—	2
	NP2-BA24	●	—	2
	NP2-BA34	●	—	2
	NP2-BA44	●	—	2
	NP2-BA54	●	—	2
	NP2-BA64	●	—	2
	NP2-BA15	○	1	1
	NP2-BA25	●	1	1
	NP2-BA35	●	1	1
	NP2-BA45	●	1	1
	NP2-BA55	●	1	1
	NP2-BA65	●	1	1



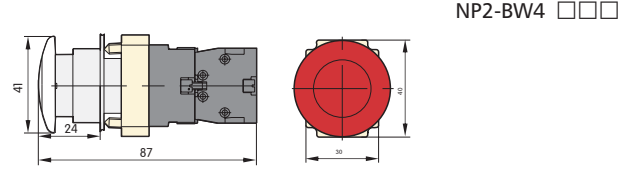
NP2-BL □□	Model	Color		
	NP2-BL42	●	—	1
	NP2-BL31	●	1	—
	NP2-BL55	●	1	1
	NP2-BL65	●	1	1
	NP2-BL15	○	1	1
	NP2-BL21	●	1	—



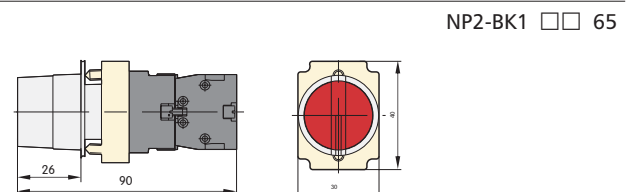
NP2-BW1 □□□	Model	Color			Note
	NP2-BW1161 6V LED	○	1	—	Direct 6V~230V
	NP2-BW1361 6V LED	●	1	—	
	NP2-BW1462 6V LED	●	—	1	
	NP2-BW1561 6V LED	●	1	—	
	NP2-BW1661 6V LED	●	1	—	





NP2-BW4 □□□	Model	Color			Note
	NP2-BW4161 6V LED	○	1	—	Direct 6V~230V
	NP2-BW4361 6V LED	●	1	—	
	NP2-BW4462 6V LED	●	—	1	
	NP2-BW4561 6V LED	●	1	—	
	NP2-BW4661 6V LED	●	1	—	



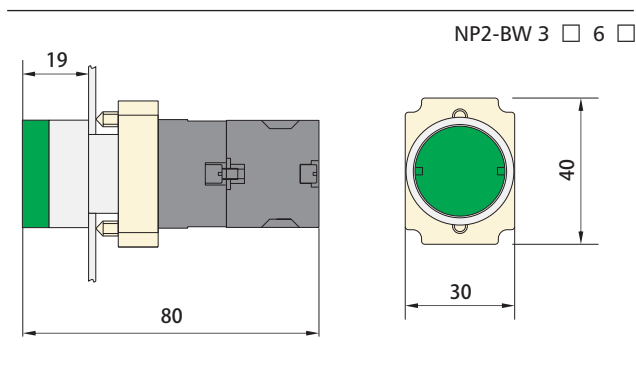
NP2-BK1 □□65	Model	Color			Note
	NP2-BK12365 6V LED	●	1	1	Two-position locked
	NP2-BK12465 6V LED	●	1	1	
	NP2-BK12565 6V LED	●	1	1	
	NP2-BK13365 6V LED	●	1	1	
	NP2-BK13465 6V LED	●	1	1	
	NP2-BK13565 6V LED	●	1	1	



★ Momentary Flush Pushbutton (Illuminated)

NP2-BW □□	Lamp-Voltage	Model	Color	1	2
	LED : AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3161 LED	○	1	—
		NP2-BW3361 LED	●	1	—
		NP2-BW3461 LED	●	1	—
		NP2-BW3561 LED	●	1	—
		NP2-BW3661 LED	●	1	—
		NP2-BW3162 LED	○	—	1
		NP2-BW3362 LED	●	—	1
		NP2-BW3462 LED	●	—	1
		NP2-BW3562 LED	●	—	1
		NP2-BW3662 LED	●	—	1
	LED : AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3163 LED	○	2	—
		NP2-BW3363 LED	●	2	—
		NP2-BW3463 LED	●	2	—
		NP2-BW3563 LED	●	2	—
		NP2-BW3663 LED	●	2	—
		NP2-BW3164 LED	○	—	2
		NP2-BW3364 LED	●	—	2
		NP2-BW3464 LED	●	—	2
		NP2-BW3564 LED	●	—	2
		NP2-BW3664 LED	●	—	2
	LED : AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW3165 LED	○	1	1
		NP2-BW3365 LED	●	1	1
		NP2-BW3465 LED	●	1	1
		NP2-BW3565 LED	●	1	1
		NP2-BW3665 LED	●	1	1

Dimensions (mm)



★  $\phi 40$  Momentary Mushroom head button(non-illuminated)

NP2-BC □□	Model	Color		
	NP2-BC11	○	1	—
	NP2-BC21	●	1	—
	NP2-BC31	●	1	—
	NP2-BC41	●	1	—
	NP2-BC51	●	1	—
	NP2-BC61	●	1	—
	NP2-BC12	○	—	1
	NP2-BC22	●	—	1
	NP2-BC32	●	—	1
	NP2-BC42	●	—	1
	NP2-BC52	●	—	1
	NP2-BC62	●	—	1

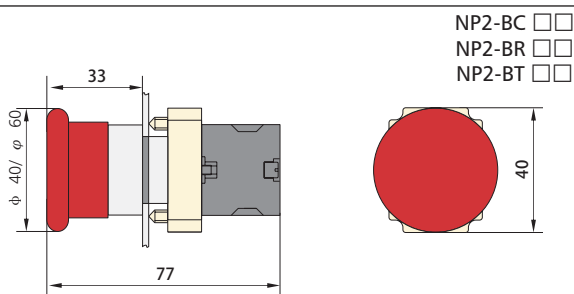
★  $\phi 60$  Momentary Mushroom head button(non-illuminated)

NP2-BR □□	Model	Color		
	NP2-BR11	○	1	—
	NP2-BR21	●	1	—
	NP2-BR31	●	1	—
	NP2-BR41	●	1	—
	NP2-BR51	●	1	—
	NP2-BR61	●	1	—
	NP2-BR12	○	—	1
	NP2-BR22	●	—	1
	NP2-BR32	●	—	1
	NP2-BR42	●	—	1
	NP2-BR52	●	—	1
	NP2-BR62	●	—	1

★  $\phi 40$  Momentary Mushroom button stay-up, pull to reset(non-illuminated)

NP2-BT □□	Model	Color		
	NP2-BT42	●	—	1

Dimensions (mm)



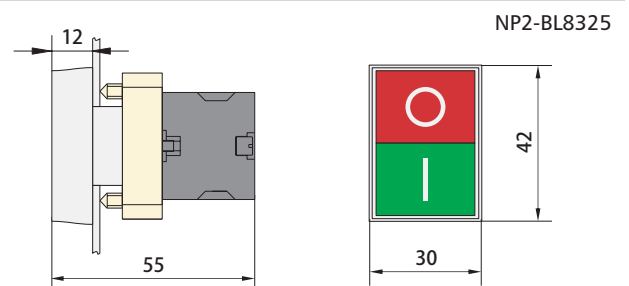
★ Double-headed flush momentary button (Non-illuminated)

NP2-BL8 □□	Lamp-Voltage	Model	Color		
	-----	NP2-BL8325	●+●	1	1
	-----	NP2-BL8425	●+●	1	1

NP2-BC □□	Model	Color		
	NP2-BC13	○	2	—
	NP2-BC23	●	2	—
	NP2-BC33	●	2	—
	NP2-BC43	●	2	—
	NP2-BC53	●	2	—
	NP2-BC63	●	2	—
	NP2-BC14	○	—	2
	NP2-BC24	●	—	2
	NP2-BC34	●	—	2
	NP2-BC44	●	—	2
	NP2-BC54	●	—	2
	NP2-BC64	●	—	2
	NP2-BC15	○	1	1
	NP2-BC25	●	1	1
	NP2-BC35	●	1	1
	NP2-BC45	●	1	1
	NP2-BC55	●	1	1
	NP2-BC65	●	1	1

NP2-BR □□	Model	Color		
	NP2-BR13	○	2	—
	NP2-BR23	●	2	—
	NP2-BR33	●	2	—
	NP2-BR43	●	2	—
	NP2-BR53	●	2	—
	NP2-BR63	●	2	—
	NP2-BR14	○	—	2
	NP2-BR24	●	—	2
	NP2-BR34	●	—	2
	NP2-BR44	●	—	2
	NP2-BR54	●	—	2
	NP2-BR64	●	—	2
	NP2-BR15	○	1	1
	NP2-BR25	●	1	1
	NP2-BR35	●	1	1
	NP2-BR45	●	1	1
	NP2-BR55	●	1	1
	NP2-BR65	●	1	1

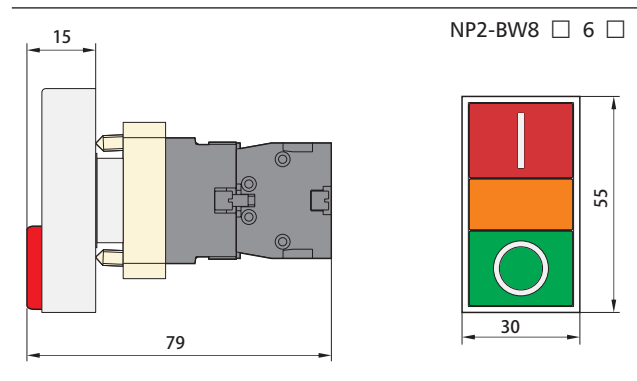
Dimensions (mm)



★ Double-headed flush momentary button (Illuminated)

NP2-BW8 □□	Lamp-Voltage	Model	Color	⏏	⏏
	LED : AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW8465	●+●	1	1
	LED : AC/DC 6V, 12V, 24V, 36V, 48V	NP2-BW8465	●+●	1	1

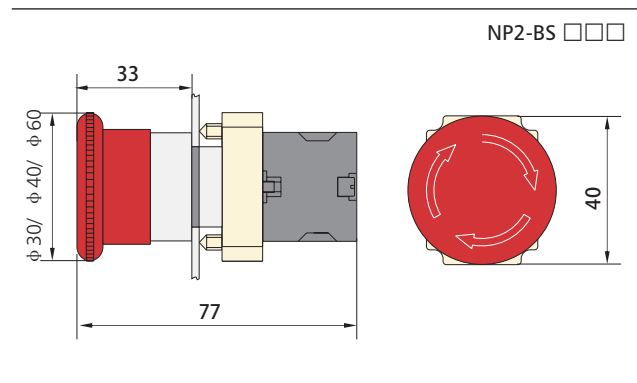
Dimensions (mm)



★ Mushroom button stay-up, rotated to reset (Non-illuminated)

NP2-BS □□	Mushroom-Diameter	Model	Color	⏏	⏏
	φ 30	NP2-BS441	●	1	—
		NP2-BS442	●	—	1
	φ 40	NP2-BS541	●	1	—
		NP2-BS542	●	—	1
	φ 60	NP2-BS641	●	1	—
		NP2-BS642	●	—	1
	φ 30	NP2-BS443	●	2	—
		NP2-BS444	●	—	2
		NP2-BS445	●	1	1
	φ 40	NP2-BS543	●	2	—
		NP2-BS544	●	—	2
		NP2-BS545	●	1	1
	φ 60	NP2-BS643	●	2	—
		NP2-BS644	●	—	2
		NP2-BS645	●	1	1

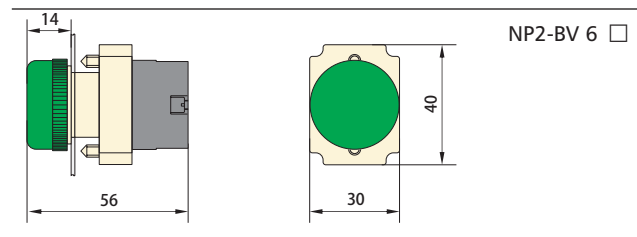
Dimensions (mm)



★ Indicator

NP2-BV □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●

Dimensions (mm)



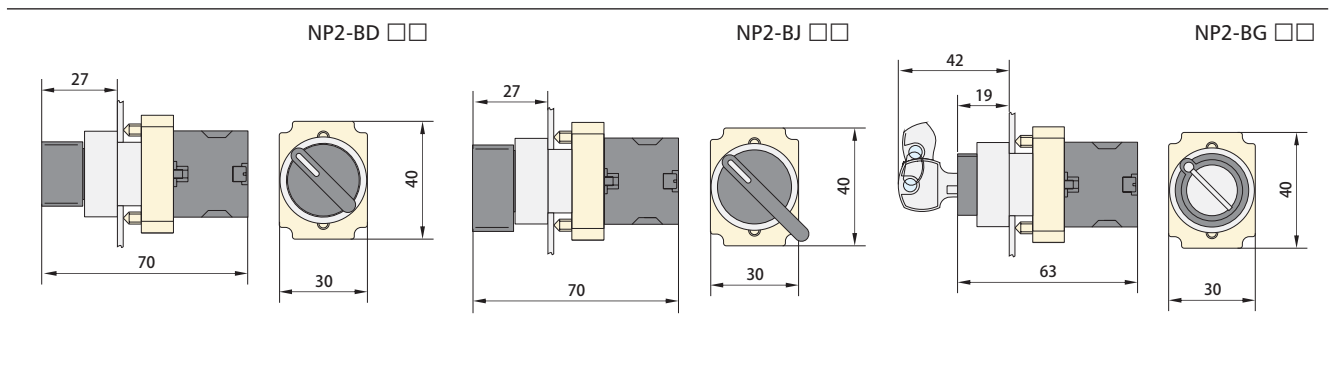
★ Selector Switches (2 positions)-(Non-illuminated)

NP2-BD (J, G) □□	Metal	Selector Switches	↙	↘	
	NP2-BD21	↙	1	—	
	NP2-BD22		—	1	
	NP2-BD23		2	—	
	NP2-BD24		—	2	
	NP2-BD25		1	1	
	NP2-BD41	↘	1	—	
	NP2-BD42		—	1	
	NP2-BD43		2	—	
	NP2-BD44		—	2	
	NP2-BD45		1	1	
		NP2-BJ21	↙	1	—
		NP2-BJ22		—	1
		NP2-BJ23		2	—
		NP2-BJ24	—	2	
		NP2-BJ25	1	1	
NP2-BJ41		↘	1	—	
NP2-BJ42			—	1	
NP2-BJ43			2	—	
NP2-BJ44		—	2		
NP2-BJ45		1	1		
	NP2-BG21	↙	1	—	
	NP2-BG22		—	1	
	NP2-BG23		2	—	
	NP2-BG24		—	2	
	NP2-BG25		1	1	
	NP2-BG21B	↙↘	1	—	
	NP2-BG22B		—	1	
	NP2-BG23B		2	—	
	NP2-BG24B		—	2	
	NP2-BG25B		1	1	
	NP2-BG41	↘	1	—	
	NP2-BG42		—	1	
	NP2-BG43		2	—	
	NP2-BG44		—	2	
	NP2-BG45		1	1	

★ Selector Switches (3 positions)-(Non-illuminated)


NP2-BD (J, G) □□	Metal	Selector Switches	↙	↘	
	NP2-BD33	↙↘	2	-	
	NP2-BD34		-	2	
	NP2-BD35		1	1	
	NP2-BD73	↙↘↗	2	-	
	NP2-BD74		-	2	
	NP2-BD75		1	1	
	NP2-BD53	↙↘↗	2	-	
	NP2-BD54		-	2	
	NP2-BD55		1	1	
	NP2-BD83	↙↘↗	2	-	
	NP2-BD84		-	2	
	NP2-BD85		1	1	
		NP2-BJ33	↙↘	2	-
		NP2-BJ34		-	2
		NP2-BJ35		-	1
NP2-BJ73		↙↘↗	2	-	
NP2-BJ74			-	2	
NP2-BJ75			1	1	
NP2-BJ53		↙↘↗	2	-	
NP2-BJ54			-	2	
NP2-BJ55			1	1	
NP2-BJ83		↙↘↗	2	-	
NP2-BJ84			-	2	
NP2-BJ85			1	1	
		NP2-BG33	↙↘↗	2	-
		NP2-BG34		-	2
		NP2-BG35		1	1
	NP2-BG73	↙↘↗	2	-	
	NP2-BG74		-	2	
	NP2-BG75		1	1	
	NP2-BG53	↙↘↗	2	-	
	NP2-BG54		-	2	
	NP2-BG55		1	1	
	NP2-BG83	↙↘↗	2	-	
	NP2-BG84		-	2	
	NP2-BG85		1	1	
	NP2-BG33D	↙↘↗	2	-	
	NP2-BG34D		-	2	
	NP2-BG35D		1	1	

Dimensions (mm)

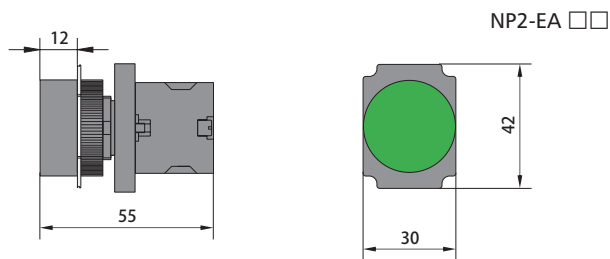





### ★ Momentary Flush Pushbutton (Non-illuminated)


NP2-EA □□	Model	Color	Switch	
			1	2
	NP2-EA11	White	1	—
	NP2-EA21	Black	1	—
	NP2-EA31	Green	1	—
	NP2-EA41	Red	1	—
	NP2-EA51	Yellow	1	—
	NP2-EA61	Blue	1	—
	NP2-EA12	White	—	1
	NP2-EA22	Black	—	1
	NP2-EA32	Green	—	1
	NP2-EA42	Red	—	1
	NP2-EA52	Yellow	—	1
	NP2-EA62	Blue	—	1

Dimensions (mm)

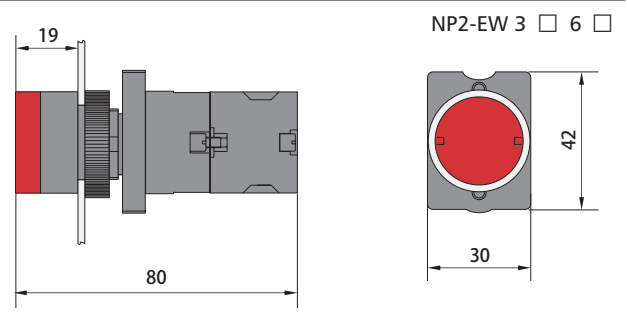


NP2-EA □□	Model	Color	Switch	
			1	2
	NP2-EA13	White	2	—
	NP2-EA23	Black	2	—
	NP2-EA33	Green	2	—
	NP2-EA43	Red	2	—
	NP2-EA53	Yellow	2	—
	NP2-EA63	Blue	2	—
	NP2-EA14	White	—	2
	NP2-EA24	Black	—	2
	NP2-EA34	Green	—	2
	NP2-EA44	Red	—	2
	NP2-EA54	Yellow	—	2
	NP2-EA64	Blue	—	2
	NP2-EA15	White	1	1
	NP2-EA25	Black	1	1
	NP2-EA35	Green	1	1
	NP2-EA45	Red	1	1
	NP2-EA55	Yellow	1	1
	NP2-EA65	Blue	1	1

### ★ Momentary Flush Pushbutton (Illuminated)

NP2-EW3 □□	Lamp-Voltage	Model	Color	Switch	
				1	2
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3161	White	1	—
		NP2-EW3361	Green	1	—
		NP2-EW3461	Red	1	—
		NP2-EW3561	Yellow	1	—
		NP2-EW3661	Blue	1	—
		NP2-EW3162	White	—	1
		NP2-EW3362	Green	—	1
		NP2-EW3462	Red	—	1
		NP2-EW3562	Yellow	—	1
		NP2-EW3662	Blue	—	1
		NP2-EW3165	White	1	1
		NP2-EW3365	Green	1	1
		NP2-EW3465	Red	1	1
		NP2-EW3565	Yellow	1	1
		NP2-EW3665	Blue	1	1

Dimensions (mm)



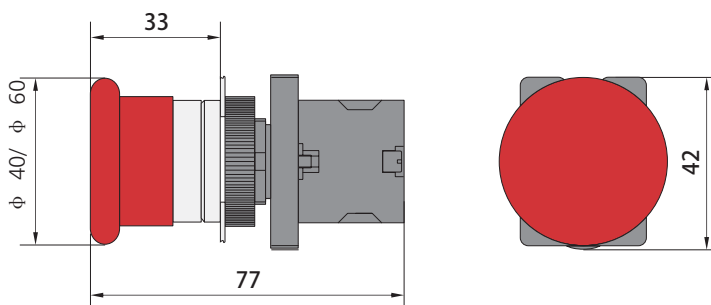
★  $\phi$  40 Momentary Mushroom button -(Non-illuminated)

NP2-EC □□	Model	Color	Switching		
			$\downarrow$	$\uparrow$	
	NP2-EC11	○	1	—	
	NP2-EC21	●	1	—	
	NP2-EC31	●	1	—	
	NP2-EC41	●	1	—	
	NP2-EC51	●	1	—	
	NP2-EC61	●	1	—	
	NP2-EC12	○	—	1	
	NP2-EC22	●	—	1	
	NP2-EC32	●	—	1	
	NP2-EC42	●	—	1	
	NP2-EC52	●	—	1	
	NP2-EC62	●	—	1	
		NP2-EC13	○	2	—
		NP2-EC23	●	2	—
NP2-EC33		●	2	—	
NP2-EC43		●	2	—	
NP2-EC53		●	2	—	
NP2-EC63		●	2	—	
NP2-EC14		○	—	2	
NP2-EC24		●	—	2	
NP2-EC34		●	—	2	
NP2-EC44		●	—	2	
NP2-EC54		●	—	2	
NP2-EC64		●	—	2	
NP2-EC15		○	1	1	
NP2-EC25		●	1	1	
NP2-EC35	●	1	1		
NP2-EC45	●	1	1		
NP2-EC55	●	1	1		
NP2-EC65	●	1	1		

★  $\phi$  60 Momentary Mushroom button -(Non-illuminated)





NP2-ER □□	Model	Color	Switching		
			$\downarrow$	$\uparrow$	
	NP2-ER11	○	1	—	
	NP2-ER21	●	1	—	
	NP2-ER31	●	1	—	
	NP2-ER41	●	1	—	
	NP2-ER51	●	1	—	
	NP2-ER61	●	1	—	
	NP2-ER12	○	—	1	
	NP2-ER22	●	—	1	
	NP2-ER32	●	—	1	
	NP2-ER42	●	—	1	
	NP2-ER52	●	—	1	
	NP2-ER62	●	—	1	
		NP2-ER13	○	2	—
		NP2-ER23	●	2	—
NP2-ER33		●	2	—	
NP2-ER43		●	2	—	
NP2-ER53		●	2	—	
NP2-ER63		●	2	—	
NP2-ER14		○	—	2	
NP2-ER24		●	—	2	
NP2-ER34		●	—	2	
NP2-ER44		●	—	2	
NP2-ER54		●	—	2	
NP2-ER64		●	—	2	
NP2-ER15		○	1	1	
NP2-ER25		●	1	1	
NP2-ER35	●	1	1		
NP2-ER45	●	1	1		
NP2-ER55	●	1	1		
NP2-ER65	●	1	1		

Dimensions (mm)

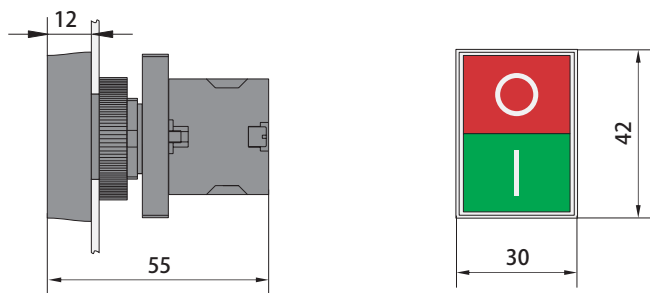


NP2-EC □□  
 NP2-ER □□

★ Double-headed flush momentary button -(Non-illuminated)



NP2-EL8 □□	Lamp-Voltage	Model	Color	{	}
	-----	NP2-EL8325		1	1
	-----	NP2-EL8425		1	1

Dimensions (mm)

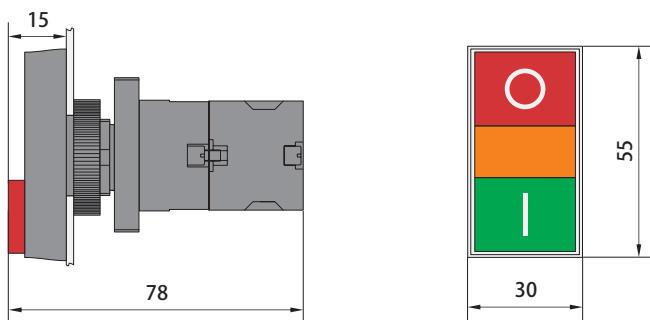


NP2-EL8325

★ Double-headed flush momentary button (Illuminated)



NP2-EW8 □□	Lamp-Voltage	Model	Color	{	}
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW8465		1	1

Dimensions (mm)

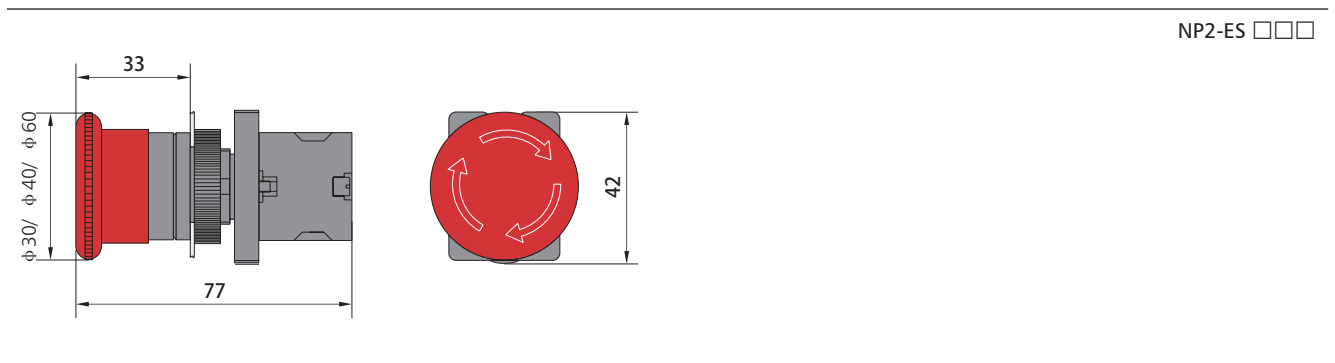


NP2-EW 8 □ 6 □


★ Mushroom button stay-up, rotated to reset (Non-illuminated)

NP2-ES □□	Mushroom-Diameter	Model	Color	1	2
	φ 30	NP2-ES441	●	1	—
		NP2-ES442		—	1
	φ 40	NP2-ES541		1	—
		NP2-ES542		—	1
	φ 60	NP2-ES641		1	—
		NP2-ES642		—	1
	φ 30	NP2-ES443	●	2	—
		NP2-ES444		—	2
		NP2-ES445		1	1
	φ 40	NP2-ES543		2	—
		NP2-ES544		—	2
		NP2-ES545		1	1
	φ 60	NP2-ES643		2	—
		NP2-ES644		—	2
		NP2-ES645		1	1

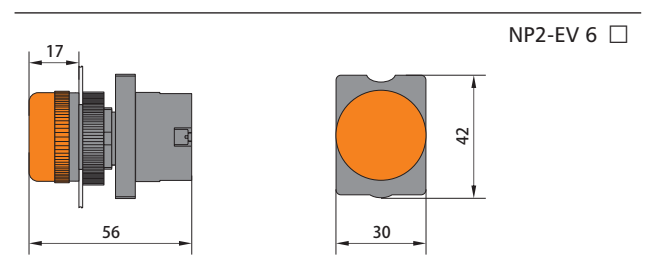
Dimensions (mm)




★ Indicator

NP2-EV □□	Lamp-Voltage	Model	Color
	LED: AC/DC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV61	○
		NP2-EV63	●
		NP2-EV64	●
		NP2-EV65	●
		NP2-EV66	●







Dimensions (mm)













### ★ Indicator (compact)

NP2-EV16 □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV161	○
		NP2-EV163	●
		NP2-EV164	●
		NP2-EV165	●
		NP2-EV166	●

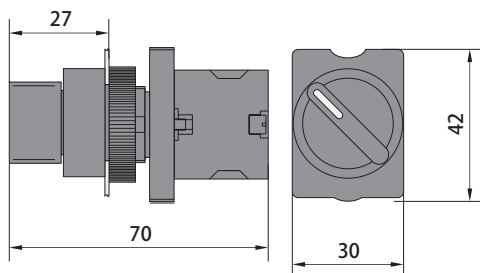
### ★ Selector Switches (2 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘	
	NP2-ED21		1	—	
	NP2-ED22		—	1	
	NP2-ED23		2	—	
	NP2-ED24		—	2	
	NP2-ED25		1	1	
	NP2-ED41		1	—	
			NP2-ED42	—	1
			NP2-ED43	2	—
			NP2-ED44	—	2
			NP2-ED45	1	1
	NP2-EJ21		1	—	
	NP2-EJ22		—	1	
	NP2-EJ23		2	—	
	NP2-EJ24		—	2	
	NP2-EJ25		1	1	
	NP2-EJ41		1	—	
			NP2-EJ42	—	1
			NP2-EJ43	2	—
			NP2-EJ44	—	2
			NP2-EJ45	1	1

### ★ Selector Switches (3 positions)-(Non-illuminated)

NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘	
	NP2-ED33		2	-	
	NP2-ED34		-	2	
	NP2-ED35		1	1	
	NP2-ED73		2	-	
			NP2-ED74	-	2
			NP2-ED75	1	1
	NP2-ED53		2	-	
			NP2-ED54	-	2
			NP2-ED55	1	1
	NP2-ED83		2	-	
			NP2-ED84	-	2
			NP2-ED85	1	1
		NP2-EJ33		2	-
		NP2-EJ34		-	2
		NP2-EJ35		1	1
NP2-EJ73			2	-	
			NP2-EJ74	-	2
			NP2-EJ75	1	1
NP2-EJ53			2	-	
			NP2-EJ54	-	2
			NP2-EJ55	1	1
NP2-EJ83			2	-	
			NP2-EJ84	-	2
			NP2-EJ85	1	1

Dimensions (mm)



NP2-ED □□

★ Selector Switches (2 positions)-(Non-illuminated)

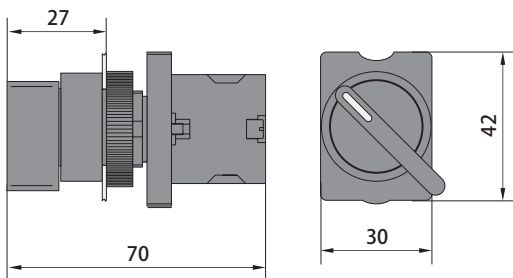
NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘
	NP2-EG21		1	—
	NP2-EG22		—	1
	NP2-EG23		2	—
	NP2-EG24		—	2
	NP2-EG25		1	1
	NP2-EG41		1	—
	NP2-EG42		—	1
	NP2-EG43		2	—
	NP2-EG44		—	2
	NP2-EG45		1	1
	NP2-EG21B		1	—
	NP2-EG22B		—	1
	NP2-EG23B		2	—
	NP2-EG24B		—	2
	NP2-EG25B		1	1

★ Selector Switches (3 positions)-(Non-illuminated)

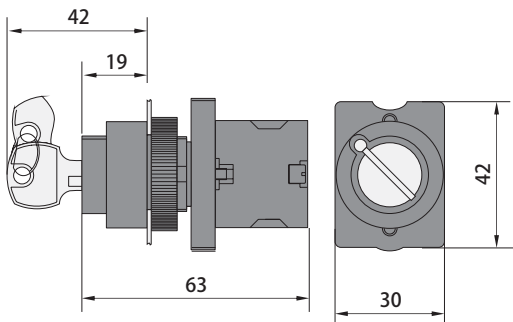
NP2-ED (J, G) □□	Metal	Selector Switches	↙	↘
	NP2-EG33		2	-
	NP2-EG34		-	2
	NP2-EG35		1	1
	NP2-EG73		2	-
	NP2-EG74		-	2
	NP2-EG75		1	1
	NP2-EG53		2	-
	NP2-EG54		-	2
	NP2-EG55		1	1
	NP2-EG83		2	-
	NP2-EG84		-	2
	NP2-EG85		1	1
	NP2-EG33D		2	-
	NP2-EG34D		-	2
	NP2-EG35D		1	1

Dimensions (mm)

NP2-EJ □□





NP2-EG □□




### Head


#### ★ Flush Momentary button-(Non-illuminated)

NP2-BA □	Metal	Specifications
	NP2-BA1	○
	NP2-BA2	●
	NP2-BA3	●
	NP2-BA4	●
	NP2-BA5	●
	NP2-BA6	●


NP2-EA □	Plastic	Specifications
	NP2-EA1	○
	NP2-EA2	●
	NP2-EA3	●
	NP2-EA4	●
	NP2-EA5	●
	NP2-EA6	●


#### ★ Flush Momentary button-(Illuminated)

NP2-BW3 □	Metal	Specifications
	NP2-BW31	○
	NP2-BW33	●
	NP2-BW34	●
	NP2-BW35	●
	NP2-BW36	●


NP2-EW3 □	Plastic	Specifications
	NP2-EW31	○
	NP2-EW33	●
	NP2-EW34	●
	NP2-EW35	●
	NP2-EW36	●

#### ★ Double head button-(Non-illuminated)

NP2-BL □□□	Metal	Specifications
	NP2-BL832	Flush button
	NP2-BL842	Flush button + projecting button


NP2-EL □□□	Plastic	Specifications
	NP2-EL832	Flush button
	NP2-EL842	Flush button + projecting button


#### ★ Double head button-(Illuminated)

NP2-BW □□	Metal	Specifications
	NP2-BW84	Flush button + projecting button








NP2-EW □□	Plastic	Specifications
	NP2-EW84	Flush button + projecting button








#### ★ Indicator light

NP2-BV/ □	Metal	Specifications
	NP2-BV/1	○
	NP2-BV/3	●
	NP2-BV/4	●
	NP2-BV/5	●
	NP2-BV/6	●




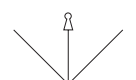
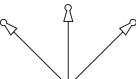


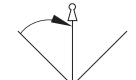

NP2-EV/ □	Plastic	Specifications
	NP2-EV/1	○
	NP2-EV/3	●
	NP2-EV/4	●
	NP2-EV/5	●
	NP2-EV/6	●


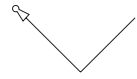

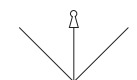
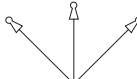




★ Head of Selector Switch-(Non-illuminated)

NP2-BD/ □	Metal	Specifications
	NP2-BD2	
	NP2-BD3	
	NP2-BD4	
	NP2-BD5	
	NP2-BG7	
	NP2-BG8	

NP2-ED/ □	Plastic	Specifications
	NP2-ED2	
	NP2-ED3	
	NP2-ED4	
	NP2-ED5	
	NP2-EG7	
	NP2-EG8	


★ Head of Key Selected Switch-(Non-illuminated)

NP2-BG □	Metal	Specifications
	NP2-BG2	
	NP2-BG2B	
	NP2-BG3	
	NP2-BG3D	
	NP2-BG4	
	NP2-BG5	
	NP2-BG7	
	NP2-BG8	

NP2-EG □	Plastic	Specifications
	NP2-EG2	
	NP2-EG2B	
	NP2-EG3	
	NP2-EG3D	
	NP2-EG4	
	NP2-EG5	
	NP2-EG7	
	NP2-EG8	



★ Holder


NP2-BZ009	Metal	Specifications
	NP2-BZ009	For NP2-B □□

NP2-EZ009	Plastic	Specifications
	NP2-EZ009	For NP2-E □□








### ★ Warning label

NP2-BY	Plastic	Specifications
	NP2-BY9101 NP2-BY9330	φ 60 (blank) φ 60 (printed)
	NP2-BY8101 NP2-BY8330	φ 90 (blank) φ 90 (printed)



NP2-BZ	Plastic	Specifications
	NP2-BZ31	30mm(H)X45mm(L)

### ★ Head-enclosure of Push-button- (Water proof)


	Specifications
	For NP2-BP 
	For NP2-BA(EA)

	Specifications
	For NP2-BL(EL)832
	For NP2-BL(EL)842


























### ★ Contact block













NP2-BE □□□	Metal	Specifications
	NP2-BE101	NO Contact
	NP2-BE102	NC Contact

### ★ Base for Illuminated (without lamp)

NP2-EW □/EV □	Metal	Specifications
	NP2-EW6/EV6	Direct type

### ★ Lamp (LED)

BA9s	Specifications
	AC/DC 6V 
	AC/DC 6V 
	AC/DC 6V 
	AC/DC 6V 
	AC/DC 6V 
	AC/DC 12V 
	AC/DC 12V 
	AC/DC 12V 
	AC/DC 12V 
	AC/DC 12V 
	AC/DC 24V 
	AC/DC 24V 
	AC/DC 24V 
	AC/DC 24V 
	AC/DC 24V 
	AC/DC 36V 
	AC/DC 36V 
	AC/DC 36V 
	AC/DC 36V 
	AC/DC 36V 
	AC/DC 48V 
	AC/DC 48V 
	AC/DC 48V 
	AC/DC 48V 

BA9s	Specifications
	AC/DC 48V 
	AC/DC 110V 
	AC/DC 110V 
	AC/DC 110V 
	AC/DC 110V 
	AC/DC 110V 
	AC/DC 220V 
	AC/DC 220V 
	AC/DC 220V 
	AC/DC 220V 
	AC/DC 220V 

★ Enclosure

PIC	Type code of button with box ( construction code)	Meaning of the type code		
		Configure	Sign	Color of the cover
	B101H29	Green flush button, 1NO	Scutcheon sign: START	French grey
	B102	Green flush button, 1NO	Push button sign: 1	French grey
	B103	Green flush button, 1NO	Push button sign: START	French grey
	B111H29	Red flush button, 1NC	Scutcheon sign: STOP	French grey
	B112	Red flush button, 1NC	Push button sign: 0	French grey
	B114	Red flush button, 1NC	Push button sign: STOP	French grey
	B174H29	Red $\Phi$ 40 mushroom button self-locking, knob reset 1NC	Scutcheon sign: STOP	French grey
	J174 H29	Red $\Phi$ 40 mushroom button self-locking, knob reset 1NC	Scutcheon sign: STOP	Yellow
	J174	Red $\Phi$ 40 mushroom button self-locking, knob reset 1NC		Yellow
	B132H29	Two positions locking knob, 1NO	Scutcheon sign: STOP START	French grey
	B142H29	Two positions locking key button, 1NO	Scutcheon sign: STOP START	French grey
	B211H29	Green flush button 1NO Red flush button 1NC	Scutcheon sign: STOP, START	French grey
	B213	Green flush button 1NO Red flush button 1NC	Push button sign: 1 0	French grey
	B215	Green flush button 1NO Red flush button 1NC	Push button sign: START, STOP	French grey
	B222	Red $\Phi$ 40 mushroom button self-locking, knob reset 1NC	Push button sign: $\uparrow$ $\downarrow$	French grey
	B223	White flush button 1NO Black flush button 1NO	Push button sign: $\rightarrow$ $\leftarrow$	French grey

PIC	Type code of button with box ( construction code)	Meaning of the type code		
		Configure	Sign	Color of the cover
	B311H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: FORWARD STOP, REVERSE	French grey
	B321H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: UP, STOP DOWN	French grey
	B341H29	Green flush button 1NO Red flush button 1NC Green flush button 1NO	Scutcheon sign: OPEN, STOP CLOSE	French grey
	B339	Green flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: I O II	French grey
	B324	White flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: ↑ O ↓	French grey
	B334	White flush button 1NO Red flush button 1NC Black flush button 1NO	Push button sign: → O ←	French grey
	B361H29	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Scutcheon sign: START, STOP	French grey
	B363	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Push button sign: I O	French grey
	B366	Red pilot lamp, 220V LED lamp, direct type Green flush button 1NO Red flush button 1NC	Scutcheon sign: START, STOP	French grey
	B01,B02,B03	Empty boxes, of which there is one hole, two holes and three holes.		French grey

Enclosure: normally opened cotact, normally closed contact



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