


		
EU	Russia	USA
		

NP2 Series Pilot Device

1. General Information

Electric ratings: AC50/60Hz, AC400V/DC220V;
 Degree of protection: IP65 (NP2-B*series head)
 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 degree: 3
 2.5 Overvoltage category: II

3. Technical Data

- 3.1 Rated insulation voltage U_i : 400V
 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: 1×10^5 operation circles; Mechanical life: flush-headed and mushroom-headed type: 1 million operation circles, button with light: 3×10^5 operation circles; other type: 1×10^5 operation circles;

4. Data of lamps of illuminated button


Basic parameters	Direct type				
	Incandescence lamp			Neon lamp	LED lamp
Power supply rated power P_e or rated operational current I_e	$P_e \leq 1\text{W}$	$P_e \leq 1.2\text{W}$	$P_e \leq 1.5\text{W}$	$I_e \leq 2.5\text{mA}$	$I_e \leq 20\text{mA}$
Rated operational voltage (V)	AC/DC6	AC/DC12	AC/DC24, 48	AC/DC 110, 230, 400	AC/DC 6, 12, 24, 48, 110, 230
Power supply Basic parameters	Transformer type				
	6V incandescence lamp			6V LED lamp	
Power supply rated power P_e	$P_e \leq 1\text{W}$			$I_e \leq 20\text{mA}$	
Power supply rated operational current I_e					
Rated operational voltage (V)	AC/DC 230, 400				


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;
- 5.5 The same with illuminated button, indicator light adopts BA9s light base, different type of lamps could be selected on various requests.

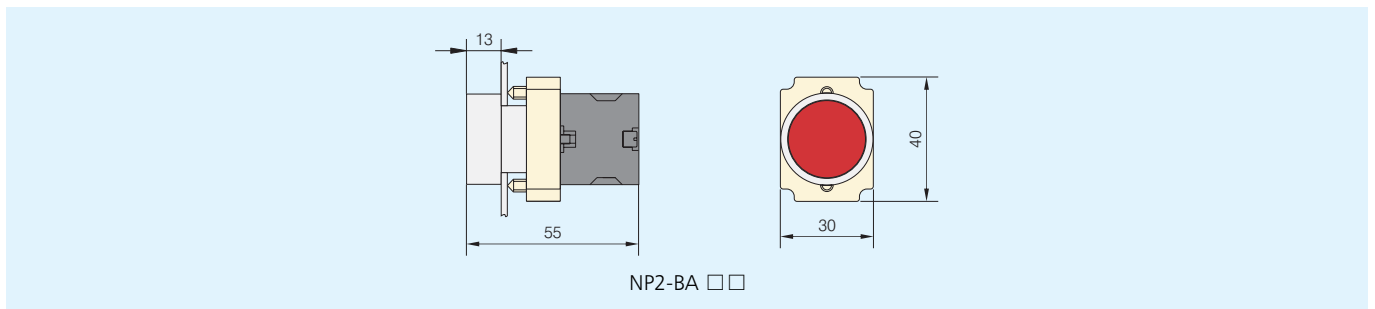
6. NP2 Pilot Device (Drill Plan $\phi 22.3$)

★ 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


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

Dimensions (mm)

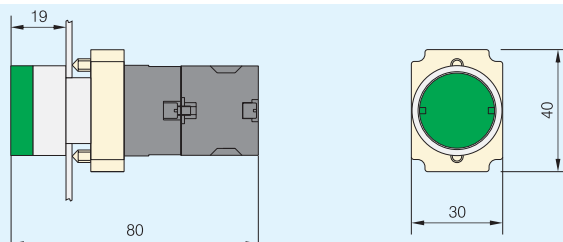


★ Momentary Flush Pushbutton (Illuminated)

NP2-BW □□	Lamp-Voltage	Model	Color	⌋	⌋
	LED : AC 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
	NEON : AC 110V, 230V, 400V	NP2-BW3161 (NEON)	○	1	—
		NP2-BW3361 (NEON)	●	1	—
		NP2-BW3461 (NEON)	●	1	—
		NP2-BW3561 (NEON)	●	1	—
		NP2-BW3661 (NEON)	●	1	—
		NP2-BW3162 (NEON)	○	—	1
		NP2-BW3362 (NEON)	●	—	1
		NP2-BW3462 (NEON)	●	—	1
		NP2-BW3562 (NEON)	●	—	1
		NP2-BW3662 (NEON)	●	—	1
	INCANDSCANCE : AC 6V, 12V, 24V, 36V, 48V	NP2-BW3161 (INCA)	○	1	—
		NP2-BW3361 (INCA)	●	1	—
		NP2-BW3461 (INCA)	●	1	—
		NP2-BW3561 (INCA)	●	1	—
		NP2-BW3661 (INCA)	●	1	—
		NP2-BW3162 (INCA)	○	—	1
		NP2-BW3362 (INCA)	●	—	1
NP2-BW3462 (INCA)		●	—	1	
NP2-BW3562 (INCA)		●	—	1	
NP2-BW3662 (INCA)		●	—	1	
	LED : AC 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




NP2-BW □□	Lamp-Voltage	Model	Color	⌋	⌋
	LED : AC 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
	NEON : AC 110V, 230V, 400V	NP2-BW3163 (NEON)	○	2	—
		NP2-BW3363 (NEON)	●	2	—
		NP2-BW3463 (NEON)	●	2	—
		NP2-BW3563 (NEON)	●	2	—
		NP2-BW3663 (NEON)	●	2	—
		NP2-BW3164 (NEON)	○	—	2
		NP2-BW3364 (NEON)	●	—	2
		NP2-BW3464 (NEON)	●	—	2
		NP2-BW3564 (NEON)	●	—	2
		NP2-BW3664 (NEON)	●	—	2
		NP2-BW3165 (NEON)	○	1	1
		NP2-BW3365 (NEON)	●	1	1
		NP2-BW3465 (NEON)	●	1	1
		NP2-BW3565 (NEON)	●	1	1
		NP2-BW3665 (NEON)	●	1	1
	INCANDSCANCE : AC 6V, 12V, 24V, 36V, 48V	NP2-BW3163 (INCA)	○	2	—
		NP2-BW3363 (INCA)	●	2	—
		NP2-BW3463 (INCA)	●	2	—
		NP2-BW3563 (INCA)	●	2	—
		NP2-BW3663 (INCA)	●	2	—
		NP2-BW3164 (INCA)	○	—	2
		NP2-BW3364 (INCA)	●	—	2
		NP2-BW3464 (INCA)	●	—	2
		NP2-BW3564 (INCA)	●	—	2
		NP2-BW3664 (INCA)	●	—	2
		NP2-BW3165 (INCA)	○	1	1
		NP2-BW3365 (INCA)	●	1	1
		NP2-BW3465 (INCA)	●	1	1
		NP2-BW3565 (INCA)	●	1	1
		NP2-BW3665 (INCA)	●	1	1

Dimensions



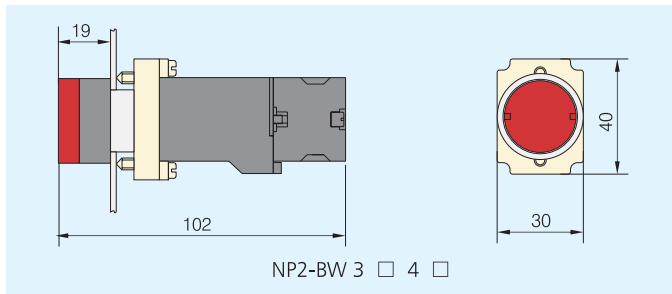
NP2-BW 3 □ 6 □

★ Momentary Flush Pushbutton (Illuminated)-(transformer type) Momentary Flush Pushbutton (Illuminated)-(transformer type)


NP2-BW □□	Lamp-Voltage	Model	Color	1	2
		NP2-BW3141	○	1	—
		NP2-BW3341	●	1	—
		NP2-BW3441	●	1	—
		NP2-BW3541	●	1	—
		NP2-BW3641	●	1	—
		NP2-BW3142	○	—	1
		NP2-BW3342	●	—	1
		NP2-BW3442	●	—	1
		NP2-BW3542	●	—	1
		NP2-BW3642	●	—	1
	(Transformer Type) INCANDSCANCE: AC 230V & LED: AC 230V	NP2-BW3143	○	2	—
		NP2-BW3343	●	2	—
		NP2-BW3443	●	2	—
		NP2-BW3543	●	2	—
		NP2-BW3643	●	2	—
		NP2-BW3144	○	—	2
		NP2-BW3344	●	—	2
		NP2-BW3444	●	—	2
		NP2-BW3544	●	—	2
		NP2-BW3644	●	—	2
	(Transformer Type) INCANDSCANCE: AC 400V & LED: AC 400V	NP2-BW3145	○	1	1
		NP2-BW3345	●	1	1
		NP2-BW3445	●	1	1
		NP2-BW3545	●	1	1
		NP2-BW3645	●	1	1
		NP2-BW3151	○	1	—
		NP2-BW3351	●	1	—
		NP2-BW3451	●	1	—
		NP2-BW3551	●	1	—
		NP2-BW3651	●	1	—
NP2-BW3152	○	—	1		
NP2-BW3352	●	—	1		
NP2-BW3452	●	—	1		
NP2-BW3552	●	—	1		
NP2-BW3652	●	—	1		


NP2-BW □□	Lamp-Voltage	Model	Color	┌	└
		NP2-BW3353	●	2	—
		NP2-BW3453	●	2	—
		NP2-BW3553	●	2	—
		NP2-BW3653	●	2	—
		NP2-BW3154	○	—	2
		NP2-BW3354	●	—	2
		NP2-BW3454	●	—	2
		NP2-BW3554	●	—	2
		NP2-BW3654	●	—	2
		NP2-BW3155	○	1	1
		NP2-BW3355	●	1	1
		NP2-BW3455	●	1	1
		NP2-BW3555	●	1	1
		NP2-BW3655	●	1	1

Dimensions





★ φ40 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

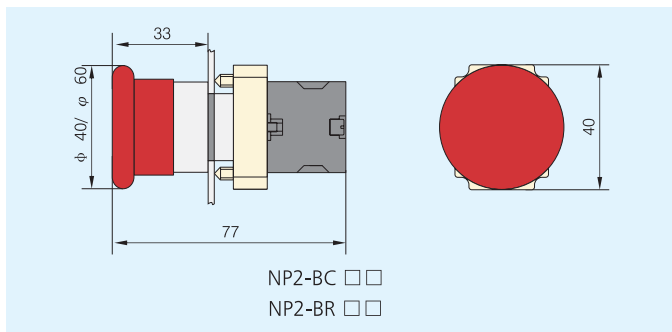
NP2-BC □□	Model	Color	┌	└
	NP2-BC13	○	2	—
	NP2-BC23	●	2	—
	NP2-BC33	●	2	—
	NP2-BC43	●	2	—
	NP2-BC53	●	2	—
	NP2-BC63	●	2	—
	NP2-BC14	○	—	2
	NP2-BC24	●	—	2
	NP2-BC34	●	—	2
	NP2-BC44	●	—	2
	NP2-BC54	●	—	2
	NP2-BC64	●	—	2
	NP2-BC15	○	1	1
	NP2-BC25	●	1	1
	NP2-BC35	●	1	1
	NP2-BC45	●	1	1
	NP2-BC55	●	1	1
	NP2-BC65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

★ $\phi 60$ 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

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	

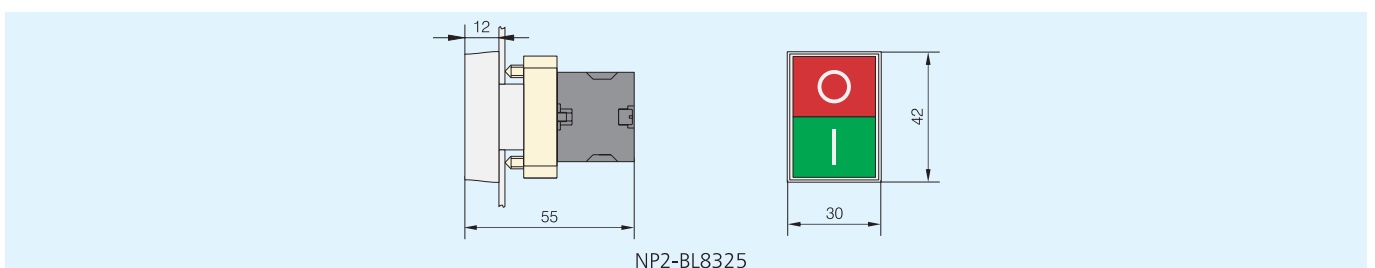
Dimensions





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

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

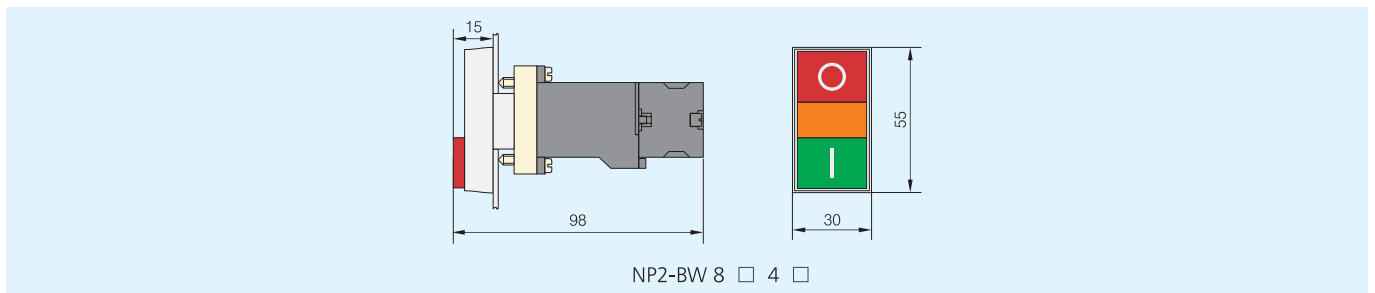
Dimensions





★ Double-headed flush momentary button (Illuminated)

NP2-BW8 □ □	Lamp-Voltage	Model	Color	⌋	⌋
	LED : AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-BW8465	● + ●	1	1
	NEON : AC 110V, 230V, 400V	NP2-BW8465	● + ●	1	1
	INCANDSCANCE : AC 6V, 12V, 24V, 36V, 48V	NP2-BW8465	● + ●	1	1
	Transformer Type: INCANDSCANCE: AC 230V & LED: AC 230V	NP2-BW8445	● + ●	1	1
	Transformer Type: INCANDSCANCE: AC 400V & LED: AC 400V	NP2-BW8455	● + ●	1	1

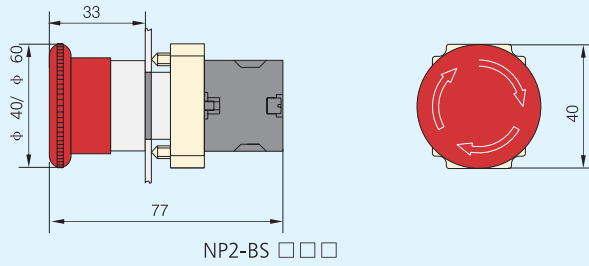
Dimensions




★ Mushroom button (Emergency Stop button)-(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

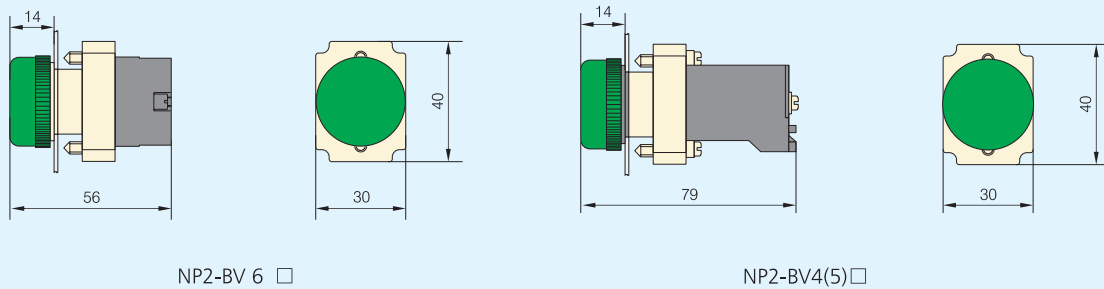


★ Indicator











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	●
	NEON: AC 110V, 230V, 380V	NP2-BV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●
	INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-BV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●

NP2-BV □□	Lamp-Voltage	Model	Color
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer 230V	NP2-BV41	○
		NP2-BV43	●
		NP2-BV44	●
		NP2-BV45	●
		NP2-BV46	●
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer 380V	NP2-BV51	○
		NP2-BV53	●
		NP2-BV54	●
		NP2-BV55	●
		NP2-BV56	●











Dimensions



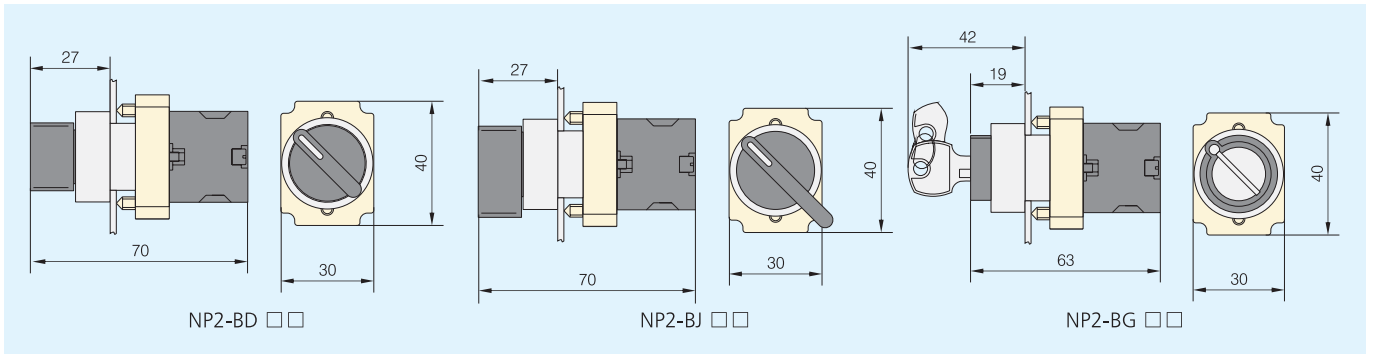
★ Selector Switches (2 positions)-(Non-illuminated)

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-BD31		1	—
	NP2-BD32		—	1
	NP2-BD33		2	—
	NP2-BD34		—	2
	NP2-BD35		1	1
	NP2-BD51		1	—
	NP2-BD52		—	1
	NP2-BD53		2	—
	NP2-BD54		—	2
	NP2-BD55		1	1
		NP2-BJ31		1
NP2-BJ32		—		1
NP2-BJ33		2		—
NP2-BJ34		—		2
NP2-BJ35		1		1
NP2-BJ51			1	—
NP2-BJ52			—	1
NP2-BJ53			2	—
NP2-BJ54			—	2
NP2-BJ55			1	1
		NP2-BG31		1
	NP2-BG32	—		1
	NP2-BG33	2		—
	NP2-BG34	—		2
	NP2-BG35	1		1
	NP2-BG51		1	—
	NP2-BG52		—	1
	NP2-BG53		2	—
	NP2-BG54		—	2
	NP2-BG55		1	1
	NP2-BG3B1D		1	—
	NP2-BG3B2D		—	1
	NP2-BG3B3D		2	—
	NP2-BG3B4D		—	2
	NP2-BG3B5D		1	1

Dimensions

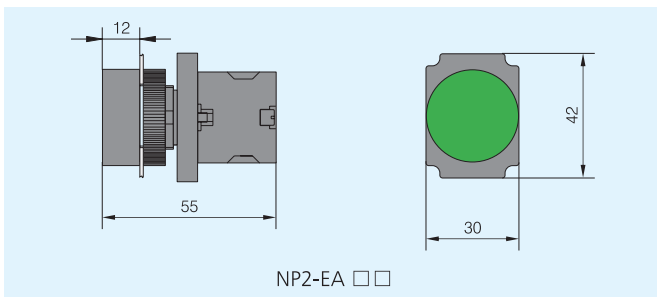


★ Momentary Flush Pushbutton (Non-illuminated)



NP2-EA □□	Model	Color	↙	↘
	NP2-EA11	○	1	—
	NP2-EA21	●	1	—
	NP2-EA31	●	1	—
	NP2-EA41	●	1	—
	NP2-EA51	●	1	—
	NP2-EA61	●	1	—
	NP2-EA12	○	—	1
	NP2-EA22	●	—	1
	NP2-EA32	●	—	1
	NP2-EA42	●	—	1
	NP2-EA52	●	—	1
	NP2-EA62	●	—	1

NP2-EA □□	Model	Color	↙	↘
	NP2-EA13	○	2	—
	NP2-EA23	●	2	—
	NP2-EA33	●	2	—
	NP2-EA43	●	2	—
	NP2-EA53	●	2	—
	NP2-EA63	●	2	—
	NP2-EA14	○	—	2
	NP2-EA24	●	—	2
	NP2-EA34	●	—	2
	NP2-EA44	●	—	2
	NP2-EA54	●	—	2
	NP2-EA64	●	—	2
	NP2-EA15	○	1	1
	NP2-EA25	●	1	1
	NP2-EA35	●	1	1
	NP2-EA45	●	1	1
	NP2-EA55	●	1	1
	NP2-EA65	●	1	1

Dimensions



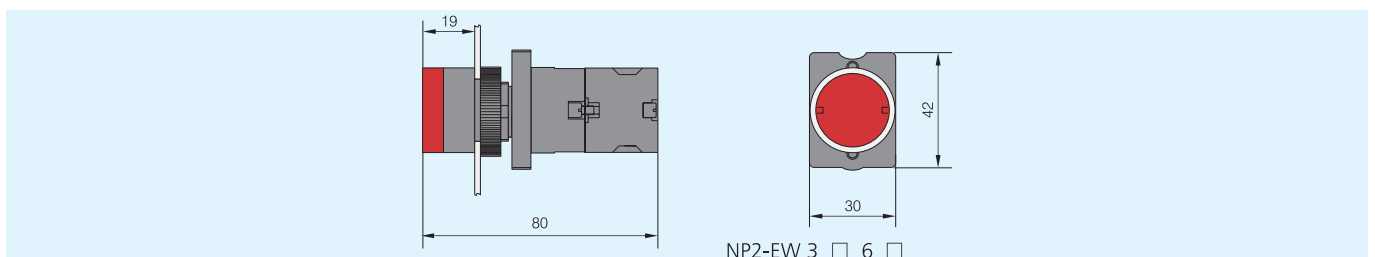
★ Momentary Flush Pushbutton (Illuminated)

NP2-EW3 □□	Lamp-Voltage	Model	Color	1	2
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3161	○	1	—
		NP2-EW3361	●	1	—
		NP2-EW3461	●	1	—
		NP2-EW3561	●	1	—
		NP2-EW3661	●	1	—
		NP2-EW3162	○	—	1
		NP2-EW3362	●	—	1
		NP2-EW3462	●	—	1
		NP2-EW3562	●	—	1
		NP2-EW3662	●	—	1
	NEON: AC 110V, 230V, 400V	NP2-EW3161	○	1	—
		NP2-EW3361	●	1	—
		NP2-EW3461	●	1	—
		NP2-EW3561	●	1	—
		NP2-EW3661	●	1	—
		NP2-EW3162	○	—	1
		NP2-EW3362	●	—	1
		NP2-EW3462	●	—	1
		NP2-EW3562	●	—	1
		NP2-EW3662	●	—	1
	INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-EW3161	○	1	—
		NP2-EW3361	●	1	—
		NP2-EW3461	●	1	—
		NP2-EW3561	●	1	—
		NP2-EW3661	●	1	—
		NP2-EW3162	○	—	1
		NP2-EW3362	●	—	1
NP2-EW3462		●	—	1	
NP2-EW3562		●	—	1	
NP2-EW3662		●	—	1	
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3163	○	2	—
		NP2-EW3363	●	2	—
		NP2-EW3463	●	2	—
		NP2-EW3563	●	2	—
		NP2-EW3663	●	2	—
		NP2-EW3164	○	—	2
		NP2-EW3364	●	—	2
		NP2-EW3464	●	—	2
		NP2-EW3564	●	—	2
		NP2-EW3664	●	—	2







NP2-EW3 □□	Lamp-Voltage	Model	Color	1	2	
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW3165	○	1	1	
		NP2-EW3365	●	1	1	
		NP2-EW3465	●	1	1	
		NP2-EW3565	●	1	1	
		NP2-EW3665	●	1	1	
	NEON: AC 110V, 230V, 400V	NP2-EW3163	○	2	—	
		NP2-EW3363	●	2	—	
		NP2-EW3463	●	2	—	
		NP2-EW3563	●	2	—	
		NP2-EW3663	●	2	—	
		NP2-EW3164	○	—	2	
		NP2-EW3364	●	—	2	
		NP2-EW3464	●	—	2	
		NP2-EW3564	●	—	2	
		NP2-EW3664	●	—	2	
		INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-EW3165	○	1	1
			NP2-EW3365	●	1	1
			NP2-EW3465	●	1	1
			NP2-EW3565	●	1	1
	NP2-EW3665		●	1	1	
	NP2-EW3163		○	2	—	
	NP2-EW3363		●	2	—	
	NP2-EW3463		●	2	—	
	NP2-EW3563		●	2	—	
	NP2-EW3663		●	2	—	
	NP2-EW3164		○	—	2	
	NP2-EW3364		●	—	2	
	NP2-EW3464		●	—	2	
	NP2-EW3564		●	—	2	
	NP2-EW3664		●	—	2	

Dimensions

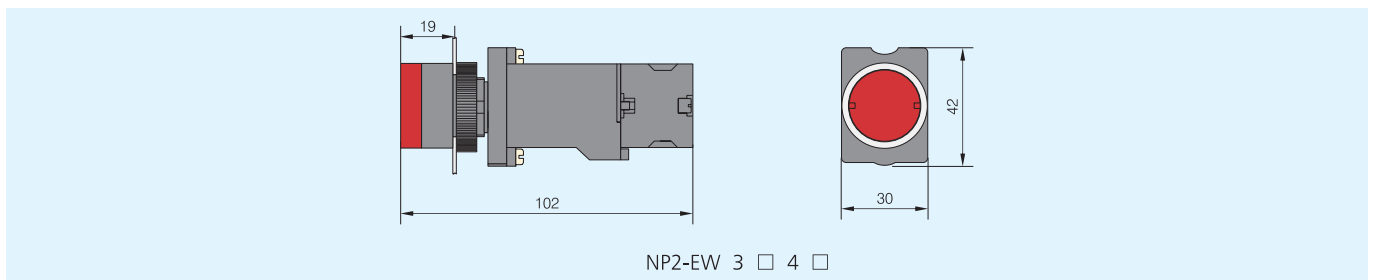


★ Momentary Flush Pushbutton (transformer type) (Illuminated)


NP2-EW3 □□	Lamp-Voltage	Model	Color	1	2
		NP2-EW3141	○	1	—
		NP2-EW3341	●	1	—
		NP2-EW3441	●	1	—
		NP2-EW3541	●	1	—
		NP2-EW3641	●	1	—
		NP2-EW3142	○	—	1
		NP2-EW3342	●	—	1
		NP2-EW3442	●	—	1
		NP2-EW3542	●	—	1
		NP2-EW3642	●	—	1
	Transformer Type: INCANDSCANCE: AC 230V & LED: AC 230V	NP2-EW3143	○	2	—
	NP2-EW3343	●	2	—	
	NP2-EW3443	●	2	—	
	NP2-EW3543	●	2	—	
	NP2-EW3643	●	2	—	
	NP2-EW3144	○	—	2	
	NP2-EW3344	●	—	2	
	NP2-EW3444	●	—	2	
	NP2-EW3544	●	—	2	
	NP2-EW3644	●	—	2	
	Transformer Type: INCANDSCANCE: AC 400V & LED: AC 400V	NP2-EW3151	○	1	—
		NP2-EW3351	●	1	—
		NP2-EW3451	●	1	—
		NP2-EW3551	●	1	—
		NP2-EW3651	●	1	—
		NP2-EW3152	○	—	1
		NP2-EW3352	●	—	1
		NP2-EW3452	●	—	1
		NP2-EW3552	●	—	1
		NP2-EW3652	●	—	1
		NP2-EW3153	○	2	—
		NP2-EW3353	●	2	—
		NP2-EW3453	●	2	—
		NP2-EW3553	●	2	—
		NP2-EW3653	●	2	—


NP2-EW3 □ □	Lamp-Voltage	Model	Color	⌋	⌋
	Transformer Type: INCANDSCANCE: AC 400V & LED: AC 400V	NP2-EW3154	○	—	2
		NP2-EW3354	●	—	2
		NP2-EW3454	●	—	2
		NP2-EW3554	●	—	2
		NP2-EW3654	●	—	2
		NP2-EW3155	○	1	1
		NP2-EW3355	●	1	1
		NP2-EW3455	●	1	1
		NP2-EW3555	●	1	1
		NP2-EW3655	●	1	1

Dimensions





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

NP2-EC □ □	Model	Color	⌋	⌋
	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

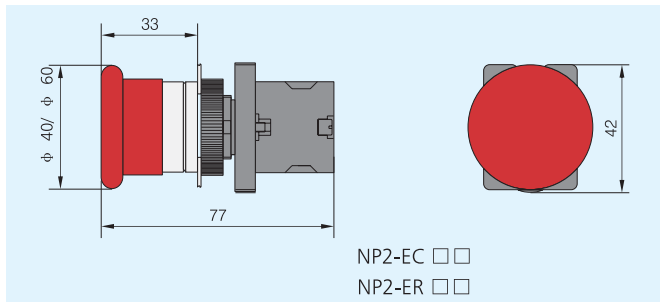
NP2-EC □ □	Model	Color	⌋	⌋
	NP2-EC13	○	2	—
	NP2-EC23	●	2	—
	NP2-EC33	●	2	—
	NP2-EC43	●	2	—
	NP2-EC53	●	2	—
	NP2-EC63	●	2	—
	NP2-EC14	○	—	2
	NP2-EC24	●	—	2
	NP2-EC34	●	—	2
	NP2-EC44	●	—	2
	NP2-EC54	●	—	2
	NP2-EC64	●	—	2
	NP2-EC15	○	1	1
	NP2-EC25	●	1	1
	NP2-EC35	●	1	1
	NP2-EC45	●	1	1
	NP2-EC55	●	1	1
	NP2-EC65	●	1	1

★ ϕ 60 Momentary Mushroom button -(Non-illuminated)



NP2-ER □□	Model	Color	⌋	⌋
	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-ER □□	Model	Color	⌋	⌋
	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	

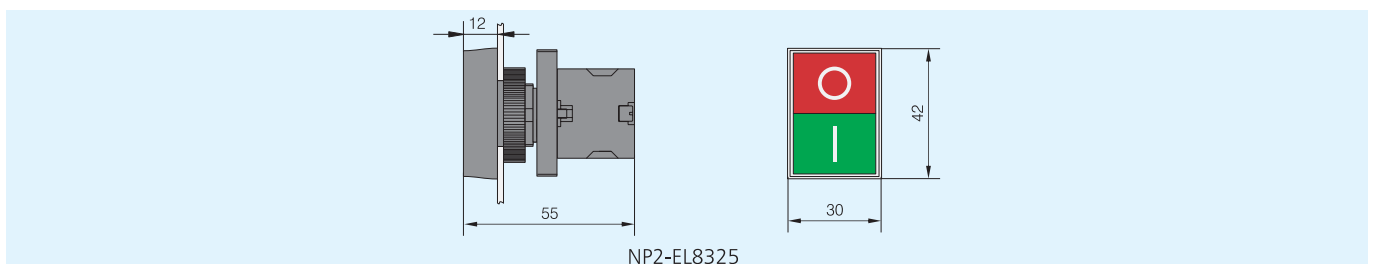
Dimensions





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

NP2-EL8 □□	Lamp-Voltage	Model	Color	⌋	⌋
	-----	NP2-EL8325	● + ●	1	1
	-----	NP2-EL8425	● + ●	1	1

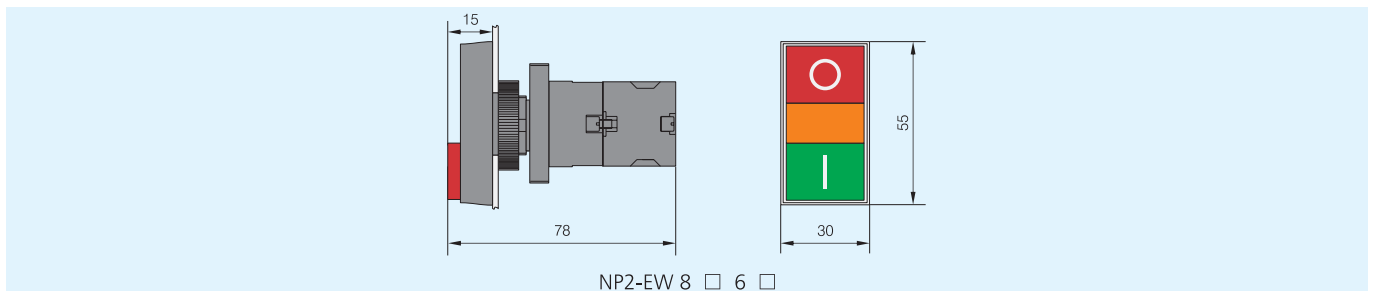
Dimensions





★ Double-headed flush momentary button (Illuminated)

NP2-BW8 □ □	Lamp-Voltage	Model	Color	⎵	⎴
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EW8465	● + ●	1	1
	NEON: AC 110V, 230V, 400V	NP2-EW8465	● + ●	1	1
	INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-EW8465	● + ●	1	1
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer: 230V	NP2-EW8465	● + ●	1	1
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer: 380V	NP2-EW8465	● + ●	1	1

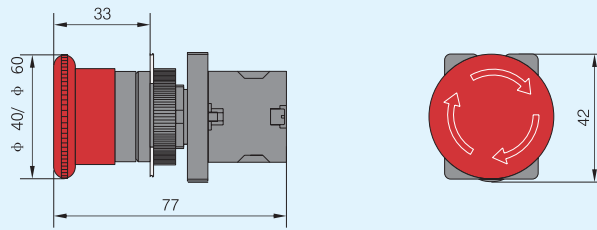
Dimensions



★ Mushroom button (Emergency Stop button)-(Non-illuminated)


NP2-ES □ □	Mushroom-Diameter	Model	Color	⎵	⎴
	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



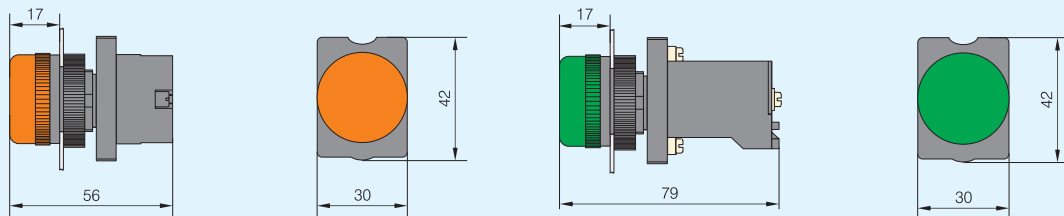
NP2-ES □□□

★ Indicator

NP2-EV □□	Lamp-Voltage	Model	Color
	LED: AC 6V, 12V, 24V, 36V, 48V, 110V, 230V	NP2-EV61	○
		NP2-EV63	●
		NP2-EV64	●
		NP2-EV65	●
		NP2-EV66	●
	NEON: AC 110V, 230V, 400V	NP2-EV61	○
		NP2-EV63	●
		NP2-EV64	●
		NP2-EV65	●
		NP2-EV66	●
	INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-EV61	○
		NP2-BV63	●
		NP2-BV64	●
		NP2-BV65	●
		NP2-BV66	●

NP2-EV □□	Lamp-Voltage	Model	Color
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer: 230V	NP2-EV41	○
		NP2-EV43	●
		NP2-EV44	●
		NP2-EV45	●
		NP2-EV46	●
	INCANDSCANCE: AC 6V & LED: AC 6V Transformer: 380V	NP2-EV51	○
		NP2-EV53	●
		NP2-EV54	●
		NP2-EV55	●
		NP2-EV56	●


Dimensions




NP2-EV 6 □

NP2-EV 4 □



★ 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	●
	NEON: AC 110V, 230V, 400V	NP2-EV161	○
		NP2-EV163	●
		NP2-EV164	●
		NP2-EV165	●
		NP2-EV166	●
	INCANDSCANCE: AC 6V, 12V, 24V, 36V, 48V	NP2-EV161	○
		NP2-BV163	●
		NP2-BV164	●
		NP2-BV165	●
		NP2-BV166	●



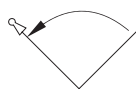
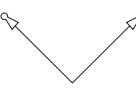
★ Selector Switches (2 positions)-(Non-illuminated)

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	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	NP2-EJ41	↘	1	—
		NP2-EJ42		—	1
		NP2-EJ43		2	—
		NP2-EJ44		—	2
		NP2-EJ45		1	1


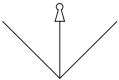

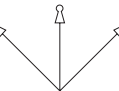
★ Selector Switches (3 positions)-(Non-illuminated)

NP2-ED (J、G) □□	Metal	Selector Switches	↙	↘	
	NP2-ED31	↙	1	—	
	NP2-ED32		—	1	
	NP2-ED33		2	—	
	NP2-ED34		—	2	
	NP2-ED35		1	1	
	NP2-ED51	NP2-ED51	↘	1	—
		NP2-ED52		—	1
		NP2-ED53		2	—
		NP2-ED54		—	2
		NP2-ED55		1	1
	NP2-EJ31	↙	1	—	
	NP2-EJ32		—	1	
	NP2-EJ33		2	—	
	NP2-EJ34		—	2	
	NP2-EJ35		1	1	
	NP2-EJ51	NP2-EJ51	↘	1	—
		NP2-EJ52		—	1
		NP2-EJ53		2	—
		NP2-EJ54		—	2
		NP2-EJ55		1	1

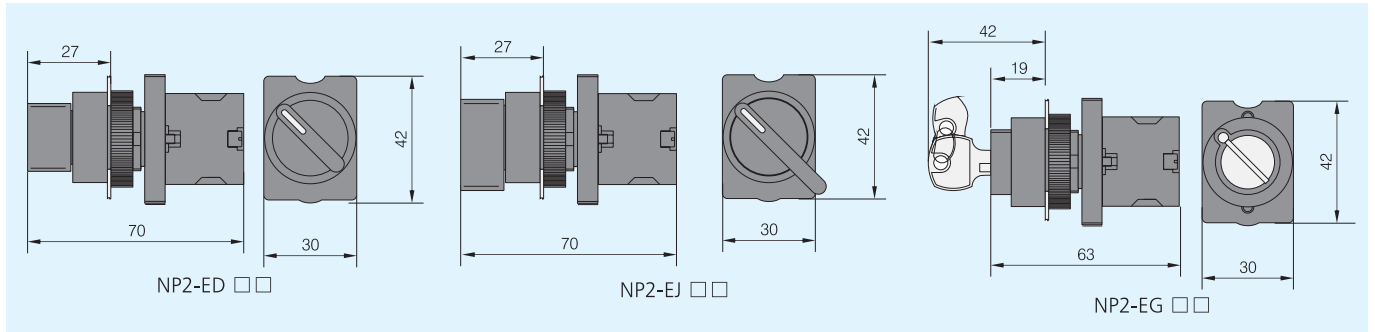
★ Selector Switches (2 positions)-(Non-illuminated)

NP2-ED (J、G) □□	Metal	Selector Switches	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	Switches	
			↖	↗
	NP2-EG31		1	—
	NP2-EG32		—	1
	NP2-EG33		2	—
	NP2-EG34		—	2
	NP2-EG35		1	1
	NP2-EG51		1	—
	NP2-EG52		—	1
	NP2-EG53		2	—
	NP2-EG54		—	2
	NP2-EG55		1	1
	NP2-EG31D		1	—
	NP2-EG32D		—	1
	NP2-EG33D		2	—
	NP2-EG34D		—	2
	NP2-EG35D		1	1


Dimensions




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


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


★ Double head button-(Illuminated)

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



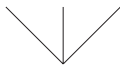


NP2-EW □□	Plastic	Specifications
	NP2-EW84	Flush button + projecting button



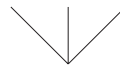

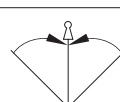
★ Indicator light

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




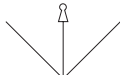
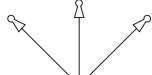


NP2-EV/ □	Plastic	Specifications
	NP2-EV/1	○
	NP2-EV/3	●
	NP2-EV/4	●
	NP2-EV/5	●
	NP2-EV/6	●




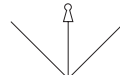
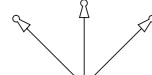
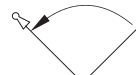

★ Head of Selector Switch-(Non-illuminated)

NP2-BV/ □	Metal	Specifications
	NP2-BD2	
	NP2-BD3	
	NP2-BD4	
	NP2-BD5	


NP2-EV/ □	Plastic	Specifications
	NP2-ED2	
	NP2-ED3	
	NP2-ED4	
	NP2-ED5	


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

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



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


★ Holder

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



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



★ Warning label

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



NP2-BZ	Metal	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 bulb)

NP2-EW □/EV □	Metal	Specifications
	NP2-EW6/EV6	Direct type
	NP2-EW4/EV4 220V NP2-EW5/EV5 400V	Transformer type


★ Lamp (Incandescence)


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

★ Lamp (Neon)

Neon Lamp	Specifications
	AC/DC 110V ●
	AC/DC 110V ●
	AC/DC 220V ●
	AC/DC 220V ●
	AC/DC 380V ●
	AC/DC 380V ●

★ 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	Model
	NP2-B01
	NP2-B02
	NP2-B03
	NP2-J01
	NP2-B101H29
	NP2-B102
	NP2-B103
	NP2-B111H29





★ Enclosure

PIC	Model
	NP2-B311H29 (Forward, Stop, Reverse)
	NP2-B321H29 (Up, Stop, Down)
	NP2-B324

★ Enclosure

PIC	Model
	NP2-B112
	NP2-B114
	NP2-B132H29
	NP2-B142H29
	NP2-B164H29
	NP2-J174
	NP2-J174H29



★ Enclosure

PIC	Model
	NP2-B334
	NP2-B339
	NP2-B341H29 (Close, Stop, Open)
	NP2-B361H29 (Stop, Start)

★ Enclosure

PIC	Model
	NP2-B211H29
	NP2-B213
	NP2-B215
	NP2-B222
	NP2-B223

★ Enclosure

PIC	Model
	NP2-B363
	NP2-B366