



NP2 Pilot Device

1. General information

Electric ratings: AC50/60Hz, AC380V/DC220V;
Degree of protection: 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 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 5×10^5 operation circles, DC 2×10^5 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
	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

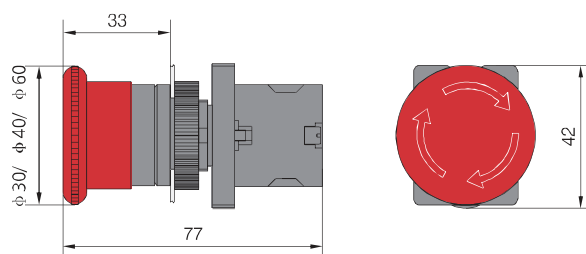
5. Features

- 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;

★ Mushroom button (Emergency Stop button)-(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)

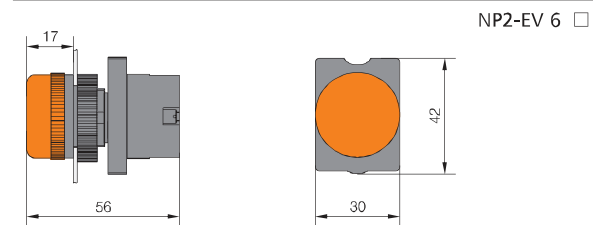


NP2-ES □□□

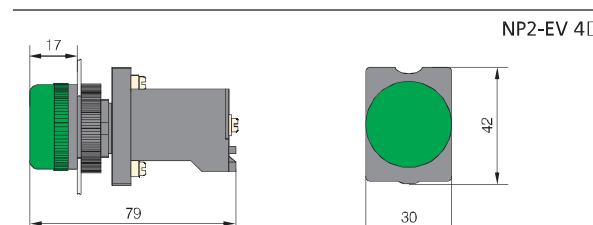
★ Indicator

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	●
		NP2-EV41	○
	INCANDESCENCE LED: AC 6V Transformer: 230V	NP2-EV43	●
		NP2-EV44	●
		NP2-EV45	●
		NP2-EV46	●
	INCANDESCENCE LED: AC 6V Transformer: 380V	NP2-EV51	○
		NP2-EV53	●
		NP2-EV54	●
		NP2-EV55	●
		NP2-EV56	●

Dimensions (mm)



NP2-EV 6 □



NP2-EV 4 □

★ Enclosure

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

★ Enclosure

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

★ Enclosure

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

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★ Enclosure

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

★ Enclosure

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

★ Enclosure

PIC	Model
	NP2-B363
	NP2-B366