



## NP2 Series

### 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°C~+40°C,the average temperature during 24 hours couldn't exceed +35°C.
- 2.2 Altitude: ≤2000m.
- 2.3 Atmosphere condition: Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is +40°C; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches +20°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
- 2.6 Tightening torque is 0.8~1.2N·m for the cable terminals.  
Cross section of the cable connection is 0.5~2.5mm<sup>2</sup>, and 8mm conductor length is needed.

### 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 |
| Power supply rated operational current $I_e$ | $I_e \leq 20\text{mA}$        |
| Rated operational voltage (V)                | AC/DC 230, 380                |

### 5. Features

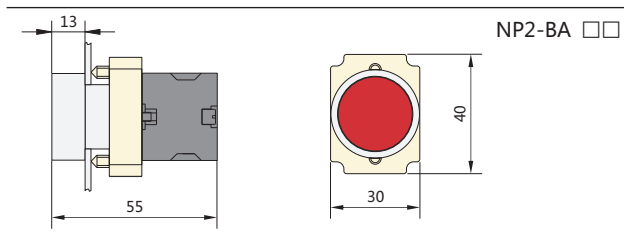
- 5.1 No-dismounting of the button from the front side thanks to anti-moving operating part of metal type button;
- 5.2 Reliable contacting could be ensured because of dual functions of circuit switching and self-cleaning for all contacting points;
- 5.3 NC and NO contacting assemblies are independent 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 Series

| NP2-BA □□ | Model    | Color  | 1 | 2 |
|-----------|----------|--------|---|---|
|           | NP2-BA11 | White  | 1 | — |
|           | NP2-BA21 | Black  | 1 | — |
|           | NP2-BA31 | Green  | 1 | — |
|           | NP2-BA41 | Red    | 1 | — |
|           | NP2-BA51 | Yellow | 1 | — |
|           | NP2-BA61 | Blue   | 1 | — |
|           | NP2-BA12 | White  | — | 1 |
|           | NP2-BA22 | Black  | — | 1 |
|           | NP2-BA32 | Green  | — | 1 |
|           | NP2-BA42 | Red    | — | 1 |
|           | NP2-BA52 | Yellow | — | 1 |
|           | NP2-BA62 | Blue   | — | 1 |



Dimensions (mm)



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

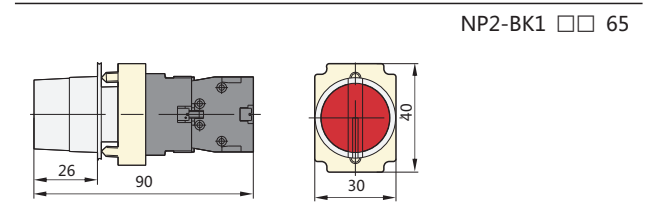
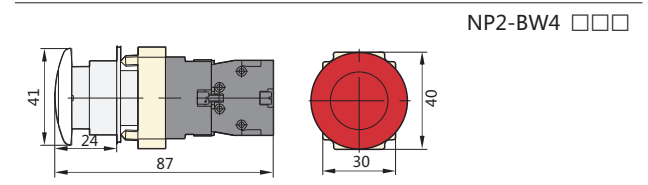
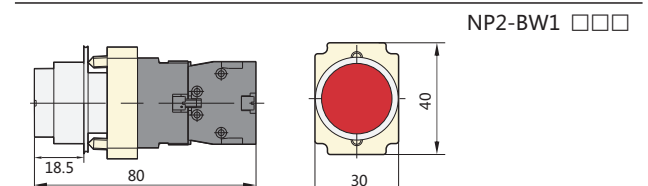
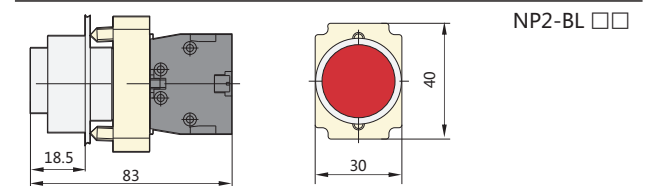
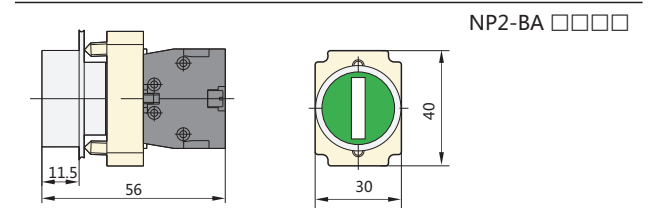
| NP2-BL □□                                                                         | Model    | Color                                                                               |   |   |
|-----------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|---|---|
|  | 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<br>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<br>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<br>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 |                        |

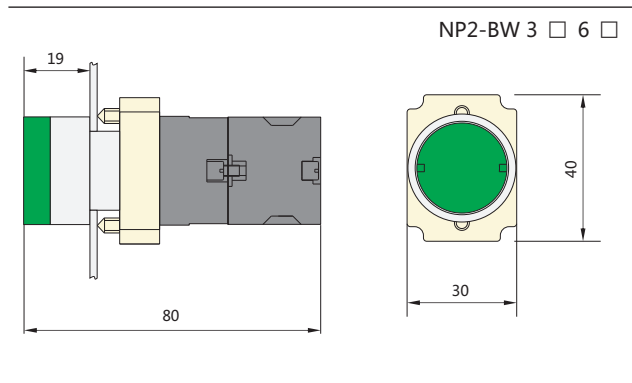
| NP2-BA □□                                                                         | Model    | Color                                                                                 |   |   |
|-----------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|---|---|
|  | 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 |



★ Momentary Flush Pushbutton (Illuminated)

| NP2-BW □□                                                                         | Lamp-Voltage                                    | Model          | Color |   |   |
|-----------------------------------------------------------------------------------|-------------------------------------------------|----------------|-------|---|---|
|  | 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)



★ φ 60 Momentary Mushroom (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 |

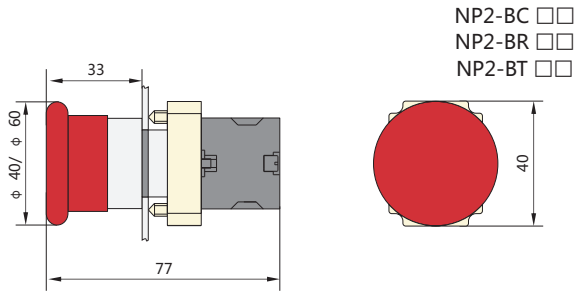
★ φ 40 Momentary Mushroom (non-illuminated)

| 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 |

★ Φ40 Mushroom push-pull(non-illuminated)

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

Dimensions (mm)



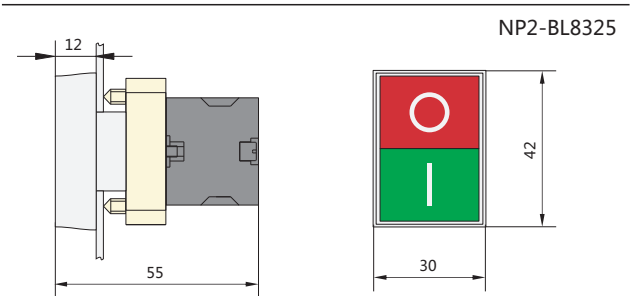
★ Double-headed flush momentary button (Non-illuminated)

| 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 |

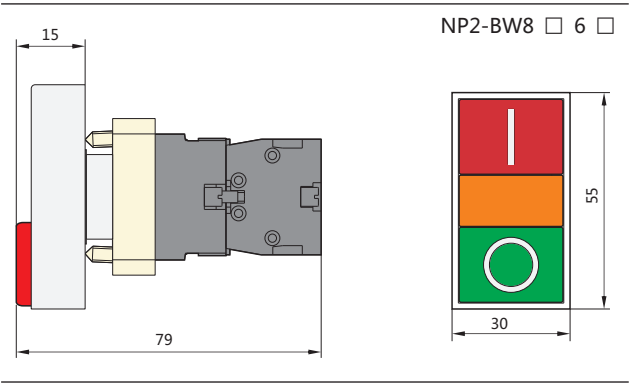
★ Mushroom button latching, turn to release(Non-illuminated)

| 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 |

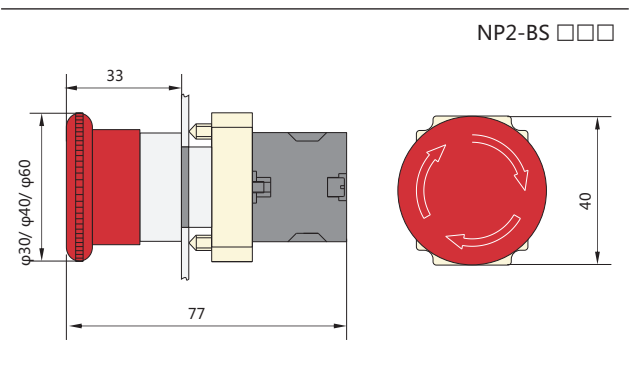
★ Indicator

| 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 | ●     |

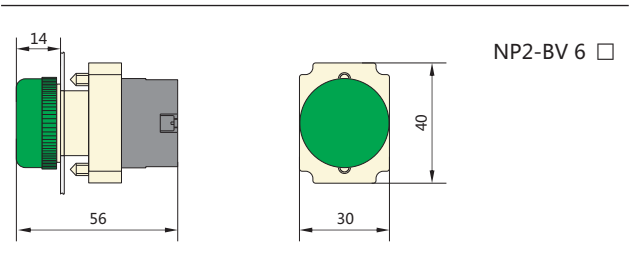
Dimensions (mm)



Dimensions (mm)



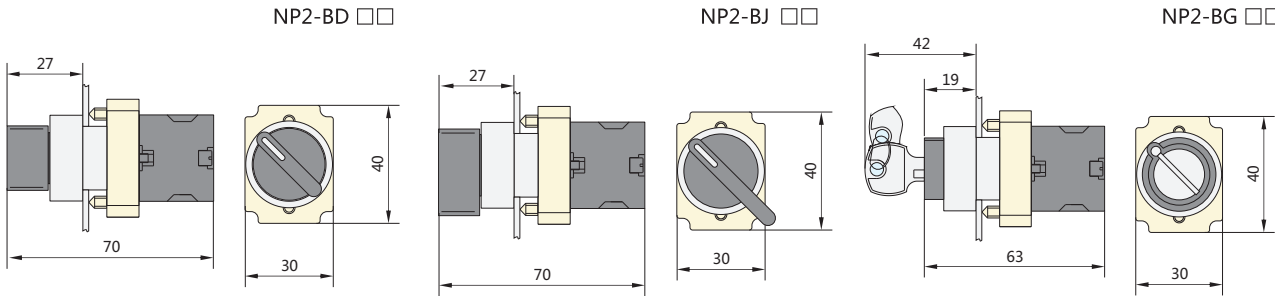
Dimensions (mm)



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

| NP2-BD<br>(J, G) □□ | Metal     | Selector<br>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 |

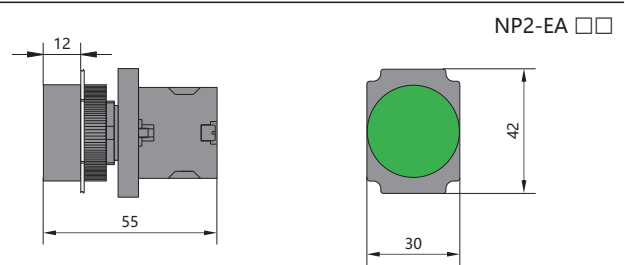
Dimensions (mm)



★ 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 |

Dimensions (mm)

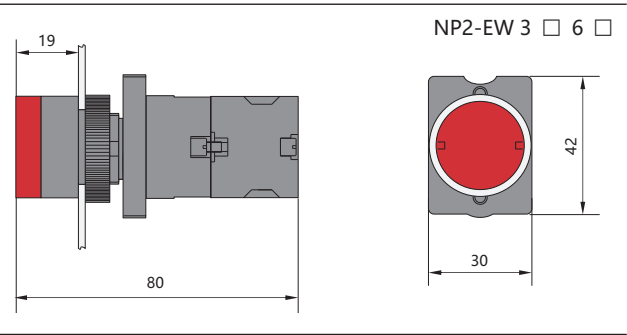


★ Momentary Flush Pushbutton (Illuminated)

| NP2-EW3 □□                                                                          | Lamp-Voltage                                  | Model      | Color |   |   |
|-------------------------------------------------------------------------------------|-----------------------------------------------|------------|-------|---|---|
|  | LED: AC/DC 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-EW3363 | ●     | — | 2 |
|                                                                                     |                                               | NP2-EW6464 | ●     | — | 2 |
|                                                                                     |                                               | NP2-EW3562 | ●     | — | 1 |
|                                                                                     |                                               | NP2-EW3662 | ●     | — | 1 |
|                                                                                     |                                               | NP2-EW3165 | ○     | 1 | 1 |
|                                                                                     |                                               | NP2-EW3365 | ●     | 1 | 1 |
|                                                                                     |                                               | NP2-EW3465 | ●     | 1 | 1 |
|                                                                                     |                                               | NP2-EW3565 | ●     | 1 | 1 |
|                                                                                     |                                               | NP2-EW3665 | ●     | 1 | 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 (mm)



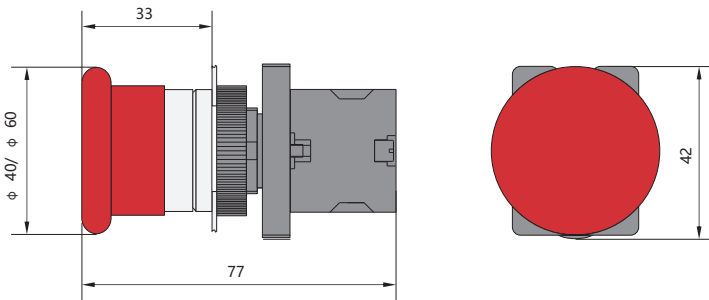
★ Φ40 Momentary Mushroom button -(Non-illuminated)

| 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-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                                                                                 |

★ Φ60 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-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)

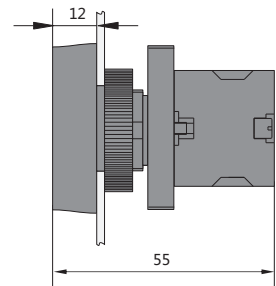
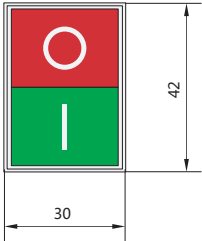


NP2-EC □□  
NP2-ER □□

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

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

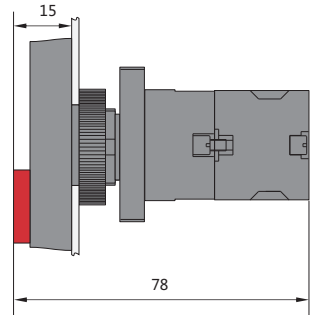
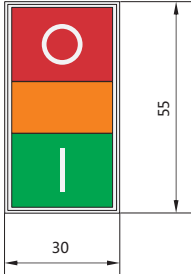
Dimensions (mm)

|                                                                                                                                                                       |  |  |            |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------|--|--|
|   |  |  | 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)

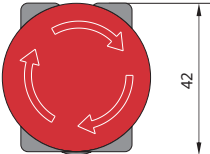
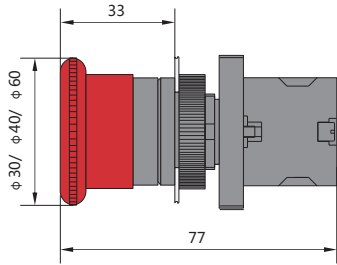
|                                                                                                                                                                         |  |  |                |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------|--|--|
|   |  |  | NP2-EW 8 □ 6 □ |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|----------------|--|--|

★ Mushroom button latching, turn to release (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 |  |
|                                                                                   |                   |           |                                                                                    | 1 | 1 |  |

Dimensions (mm)

NP2-ES □□□

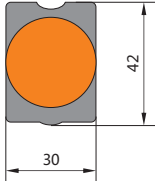
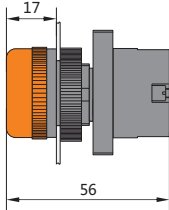


★ Indicator

| 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)

NP2-EV 6 □



★ 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) □□                                                                    | Model    | 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                                                                                 |

Dimensions (mm)



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

| NP2-ED (J, G) □□                                                                    | Model    | 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                                                                                   |

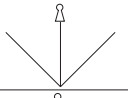
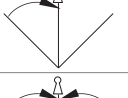
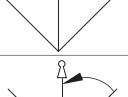
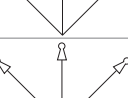
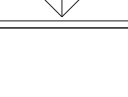
Dimensions (mm)



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

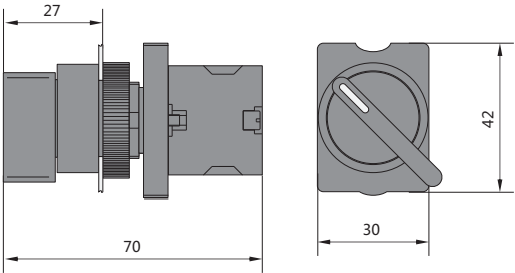
| NP2-ED<br>(J, G) □□                                                               | Model     | Selector<br>Switches                                                              |   |   |
|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|---|---|
|  | 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)

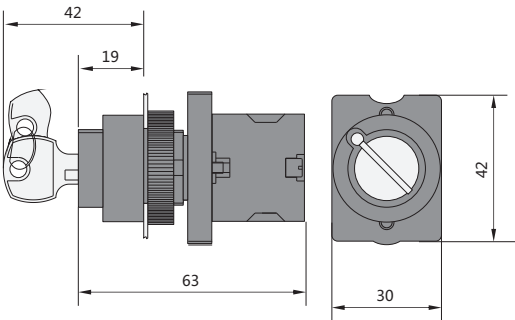
| NP2-ED<br>(J, G) □□                                                               | Model     | Selector<br>Switches                                                                |   |   |
|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|---|---|
|  | 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-BA□□□                                                                         | Metal     | Specifications |
|-----------------------------------------------------------------------------------|-----------|----------------|
|  | NP2-BA331 | ●              |
|                                                                                   | NP2-BA236 | ●              |
|                                                                                   | NP2-BA432 | ●              |
|                                                                                   | NP2-BA235 | ●              |
|                                                                                   | NP2-BA134 | ○              |
|                                                                                   | NP2-BA637 | ●              |

## ★ Flush Momentary button-(Illuminated)

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

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

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

## ★ Double head button-(Illuminated)

| NP2-BW □□                                                                           | Metal    | Specifications                   |
|-------------------------------------------------------------------------------------|----------|----------------------------------|
|  | NP2-BW84 | 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 | ●              |

## ★ Emergency stop button

| NP2-BS□4                                                                          | Metal    | Specifications           |
|-----------------------------------------------------------------------------------|----------|--------------------------|
|  | NP2-BS44 | 4 : Turn restoration Φ30 |
|                                                                                   | NP2-BS54 | 5 : Turn restoration Φ40 |
|                                                                                   | NP2-BS64 | 6 : Turn restoration Φ60 |

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

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

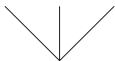
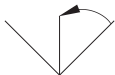
| NP2-EL □□□                                                                          | Plastic   | Specifications                   |
|-------------------------------------------------------------------------------------|-----------|----------------------------------|
|  | NP2-EL832 | Flush button 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

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

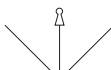
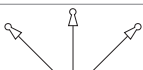
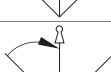
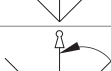
| NP2-EV/ □                                                                           | Plastic  | Specifications |
|-------------------------------------------------------------------------------------|----------|----------------|
|  | NP2-EV/1 | ○              |
|                                  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

| NP2-ES□4                                                                            | Plastic  | Specifications                             |
|-------------------------------------------------------------------------------------|----------|--------------------------------------------|
|  | NP2-ES34 | 3 : Status indication turn restoration Φ40 |
|                                                                                     | NP2-ES44 | 4 : Turn restoration Φ30                   |
|                                                                                     | NP2-ES54 | 5 : Turn restoration Φ40                   |
|                                                                                     | NP2-ES64 | 6 : Turn restoration Φ60                   |

★ Head of Selector Switch-(Non-illuminated)

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

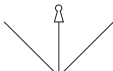
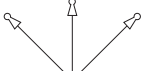
★ Head of Key Switch-(Non-illuminated)

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

★ Adapter

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

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

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

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

## ★ Waring label

| NP2-BY                                                                            | Plastic                  | Specifications               |
|-----------------------------------------------------------------------------------|--------------------------|------------------------------|
|  | NP2-BY9101<br>NP2-BY9330 | Φ60 (blank)<br>Φ60 (printed) |
|  | NP2-BY8101<br>NP2-BY8330 | Φ90 (blank)<br>Φ90 (printed) |

## ★ Contact block

| NP2-BE □□□                                                                         | Metal     | Specifications  |
|------------------------------------------------------------------------------------|-----------|-----------------|
|   | NP2-BE101 | NO Contact      |
|   | NP2-BE102 | NC Contact      |
|  | NP2-BE103 | 2NO Contact     |
|                                                                                    | NP2-BE104 | 2NC Contact     |
|                                                                                    | NP2-BE105 | 1NO+1NC Contact |

## ★ Base for Illuminated (without lamp)

| NP2-EW □/EV □                                                                       | Metal      | Specifications |
|-------------------------------------------------------------------------------------|------------|----------------|
|  | NP2-EW6/6V | 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 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 36V      | ● |

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

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

|                                                                                   | Specifications            |
|-----------------------------------------------------------------------------------|---------------------------|
|  | For NP2-BP<br>○ ● ● ● ● ● |
|  | For NP2-BA(EA)            |

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

| BA9s                                                                                | Specifications |   |
|-------------------------------------------------------------------------------------|----------------|---|
|  | AC/DC 48V      | ○ |
|                                                                                     | AC/DC 48V      | ● |
|                                                                                     | AC/DC 48V      | ● |
|                                                                                     | AC/DC 48V      | ● |
|                                                                                     | 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     | ● |
|                                                                                     | AC/DC 220V     | ● |

## ★ Enclosure

| PIC                                                                                 | Type code of button with box<br>( 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: I              | 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: O              | French grey        |
|    | B114                                                 | Red flush button, 1NC                                 | Push button sign: STOP           | French grey        |
|    | B174H29                                              | Red Ø 40 mushroom button self-locking, knob reset 1NC | Scutcheon sign: STOP             | French grey        |
|   | J174 H29                                             | Red Ø 40 mushroom button self-locking, knob reset 1NC | Scutcheon sign: STOP             | Yellow             |
|  | J174                                                 | Red Ø 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<br>Red flush button 1NC        | Scutcheon sign: STOP, START      | French grey        |
|  | B213                                                 | Green flush button 1NO<br>Red flush button 1NC        | Push button sign: I O            | French grey        |
|  | B215                                                 | Green flush button 1NO<br>Red flush button 1NC        | Push button sign:<br>START, STOP | French grey        |
|  | B222                                                 | White flush button 1NO<br>Black flush button 1NO      | Push button sign: ↑ ↓            | French grey        |
|  | B223                                                 | White flush button 1NO<br>Black flush button 1NO      | Push button sign: → ←            | French grey        |

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

Enclosure: normally opened cotact, normally closed contact