# Serie NP2

## 1. General

Valores nominales eléctricos: CA50/60Hz, 380Vca/220Vcc;
Grado de protección: IP40
Normativa: IEC/EN60947-5-1

## 2. Condiciones de funcionamiento

2.1 La temperatura ambiente deberá hallarse entre -5℃~+40℃ y la temperatura media a lo largo de 24 horas no deberá superar los +35℃.

2.2 Altitud: ≤2000m.

2.3 Condiciones atmosféricas: La humedad relativa no deberá superar el 50% cuando la temperatura alcance la máxima de +40℃. No obstante, se permitirá una humedad relativa mucho más elevada en condiciones de baja temperatura, por ejemplo, cuando la temperatura alcance los +20℃, la humedad relativa podrá ser de hasta el 90%. Deberán tomarse las medidas necesarias para la condensación que podría aparecer como resultado de los cambios de temperatura.

2.4 Grado de contaminación: 3

2.5 Categoría de sobretensión: Ⅲ

2.6 El par de apriete es de 0.8~1.2N·m para los terminales del cable. La sección de la conexión del cable es de 0.5~2.5mm2, y deberá emplearse un conductor de 8mm de largo.

## 3. Datos técnicos

3.1 Tensión nominal de aislamiento Ui: 415V
3.2 Corriente térmica convencional Ith: 10A

| Tensión nominal de funcionamiento Ue (V) | Corriente nominal de funcionamiento Ie (A) | |
|---|---|---|
| | AC-15 | DC-13 |
| 415 | 1.9 | - |
| 240 | 3 | 0.27 |
| 125 | - | 0.55 |

3.3 Durabilidad
Vida eléctrica:
Tipo cabeza rasante y tipo cabeza de seta: CA $5x10^5$ maniobras, CC $2x10^5$ maniobras; otros tipos: $1x10^5$ maniobras;
Vida mecánica: tipo cabeza rasante y tipo cabeza de seta: 1 millón de maniobras, pulsador luminoso: $3x10^5$ maniobras; otros tipos: $1x10^5$ maniobras.

3.4 Dispositivo de protección contra cortocircuitos: NT00-16 16A

## 4. Datos de las bombillas de los botones luminosos

| Parámetros básicos | Tipo directo |
|---|---|
| | Indicador LED |
| Corriente nominal de funcionamiento Ie | Ie≤20mA |
| Tensión nominal de funcionamiento(V) | CA/CC 6, 12, 24, 48, 110, 230 |
| Corriente nominal de funcionamiento de fuente de alimentación Ie | Ie≤20mA |
| Tensión nominal de funcionamiento (V) | CA/CC 230, 380 |

## 5. Características

5.1 El botón de la parte delantera no se desmonta gracias al componente anti-movimiento del soporte metálico.

5.2 La fiabilidad del contacto queda garantizada gracias a las funciones duales de conmutación del circuito y de auto-limpieza de todos los puntos de contacto;

5.3 Los conjuntos de contactos NC y NA son independientes entre sí, y pueden combinarse libremente para su sustitución;

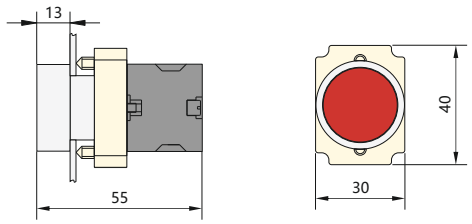
5.4 Los terminales de conexión protegidos hacen que su funcionamiento resulte seguro y fiable. De aspecto elegante gracias a la inclusión de piezas de funcionamiento y bases del pulsador de tipo metálico en aleaciones de zinc y de aluminio.

## 6. Serie NP2

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

Dimensiones (mm)

NP2-BA □□




| NP2-BA □□□□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-BA3311 | | 1 | – |
| | NP2-BA2365 | | 1 | 1 |
| | NP2-BA4322 | | – | 1 |
| | NP2-BA2351 | | 1 | – |
| | NP2-BA1345 | | 1 | 1 |

| NP2-BL □□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-BL42 | | – | 1 |
| | NP2-BL31 | | 1 | – |
| | NP2-BL55 | | 1 | 1 |
| | NP2-BL65 | | 1 | 1 |
| | NP2-BL15 | | 1 | 1 |
| | NP2-BL21 | | 1 | – |

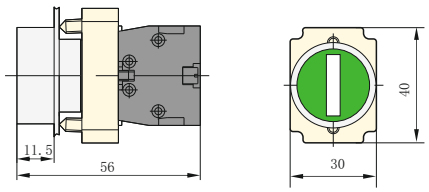
| NP2-BW1 □□□ | Modelo | Color | | | Nota |
|---|---|---|---|---|---|
| | NP2-BW1161 6V LED | | 1 | – | Directo 6V~230V |
| | NP2-BW1361 6V LED | | 1 | – | |
| | NP2-BW1462 6V LED | | – | 1 | |
| | NP2-BW1561 6V LED | | 1 | – | |
| | NP2-BW1661 6V LED | | 1 | – | |

| NP2-BW4 □□□ | Modelo | Color | | | Nota |
|---|---|---|---|---|---|
| | NP2-BW4161 6V LED | | 1 | – | Directo 6V~230V |
| | NP2-BW4361 6V LED | | 1 | – | |
| | NP2-BW4462 6V LED | | – | 1 | |
| | NP2-BW4561 6V LED | | 1 | – | |
| | NP2-BW4661 6V LED | | 1 | – | |

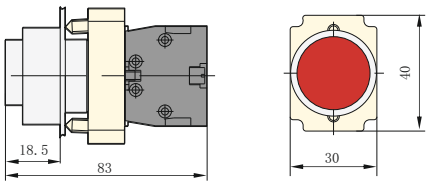
| NP2-BK1 □□65 | Modelo | Color | | | Nota |
|---|---|---|---|---|---|
| | NP2-BK12365 6V LED | | 1 | 1 | Bloqueo de dos posiciones |
| | NP2-BK12465 6V LED | | 1 | 1 | |
| | NP2-BK12565 6V LED | | 1 | 1 | |
| | NP2-BK13365 6V LED | | 1 | 1 | |
| | NP2-BK13465 6V LED | | 1 | 1 | |
| | NP2-BK13565 6V LED | | 1 | 1 | |

| NP2-BA □□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-BA13 | | 2 | – |
| | NP2-BA23 | | 2 | – |
| | NP2-BA33 | | 2 | – |
| | NP2-BA43 | | 2 | – |
| | NP2-BA53 | | 2 | – |
| | NP2-BA63 | | 2 | – |
| | NP2-BA14 | | – | 2 |
| | NP2-BA24 | | – | 2 |
| | NP2-BA34 | | – | 2 |
| | NP2-BA44 | | – | 2 |
| | NP2-BA54 | | – | 2 |
| | NP2-BA64 | | – | 2 |
| | NP2-BA15 | | 1 | 1 |
| | NP2-BA25 | | 1 | 1 |
| | NP2-BA35 | | 1 | 1 |
| | NP2-BA45 | | 1 | 1 |
| | NP2-BA55 | | 1 | 1 |
| | NP2-BA65 | | 1 | 1 |

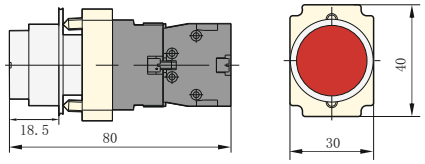
NP2-BA □□□□



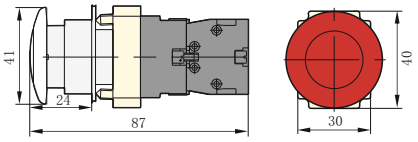

NP2-BL □□



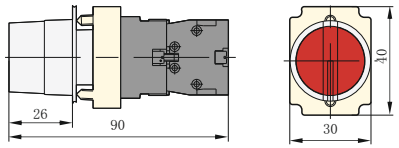

NP2-BW1□□□




NP2-BW4□□□




NP2-BK1□□65

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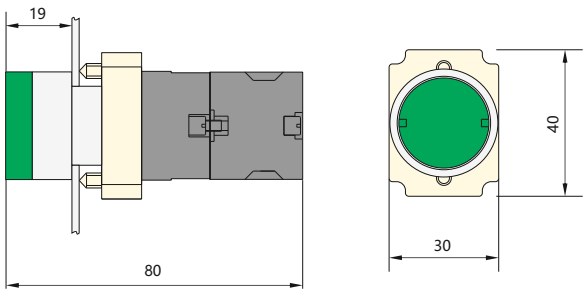
## ★ Pulsador rasante momentáneo (luminoso)

| NP2-BW □□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | LED : 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc | 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 : 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc | NP2-BW3163 LED | ○ | 2 | – |
| | | NP2-BW3363 LED | ● | 2 | – |
| | | NP2-BW3463 LED | ● | 2 | – |
| | | NP2-BW3563 LED | ● | 2 | – |
| | | NP2-BW3663 LED | ● | | – |
| | | NP2-BW3164 LED | ○ | – | 2 |
| | | NP2-BW3364 LED | ● | – | 2 |
| | | NP2-BW3464 LED | ● | – | 2 |
| | | NP2-BW3564 LED | ● | – | 2 |
| | | NP2-BW3664 LED | ● | – | 2 |
| | LED : 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc | 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 |

Dimensiones (mm)

NP2-BW 3□6□




## ★ Pulsador tipo seta momentáneo Ø40 (no luminoso)

| NP2-BC □□ | Modelo | 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 |

## ★ Pulsador tipo seta momentáneo Ø60 (no luminoso)

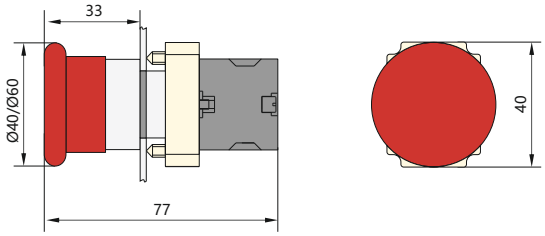
| NP2-BR □□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-BR11 | ○ | 1 | – |
| | NP2-BR21 | ● | 1 | – |
| | NP2-BR31 | ● | 1 | – |
| | NP2-BR41 | ● | 1 | – |
| | NP2-BR51 | ● | 1 | – |
| | NP2-BR61 | ● | 1 | – |
| | NP2-BR12 | ○ | – | 1 |
| | NP2-BR22 | ● | – | 1 |
| | NP2-BR32 | ● | – | 1 |
|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

## ★ Ø40 Pulsador tipo seta metálico (no iluminado)

| NP2-BT □□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-BT42 | ● | – | 1 |

Dimensiones (mm)

NP2-BC □□NP2-BR □□NP2-BT □□




## ★ Pulsador doble rasante momentáneo (no luminoso)

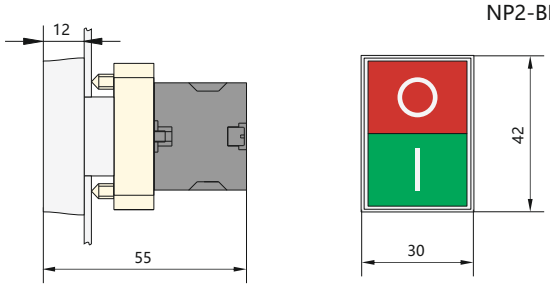
| NP2-BL8 □□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | -------- | NP2-BL8325 | ● + ● | 1 | 1 |
| | -------- | NP2-BL8425 | ● + ● | 1 | 1 |

| NP2-BC □□ | Modelo | 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 □□ | Modelo | 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 |

Dimensiones (mm)

NP2-BL8325

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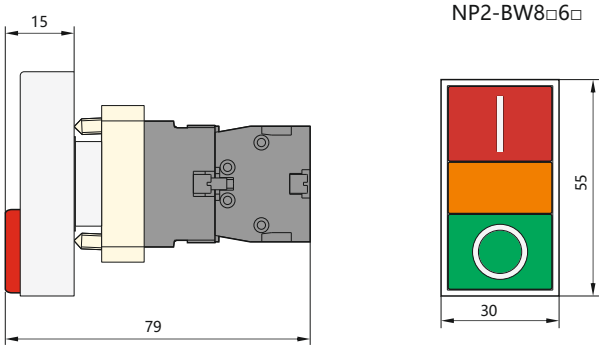
## ★ Pulsador doble rasante momentáneo con pulsador rojo saliente (luminoso)

| NP2-BW8 □□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | LED : 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc | NP2-BW8465 | ● + ● | 1 | 1 |

Dimensiones (mm)

NP2-BW8□6□

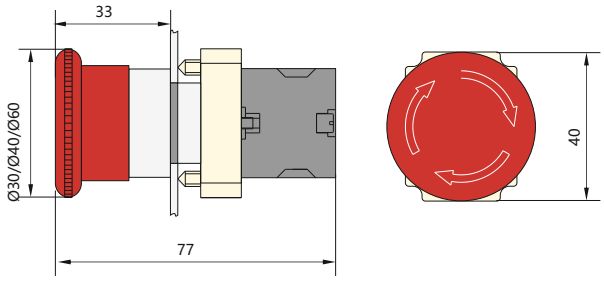



## ★ Pulsador tipo seta con bloqueo, desbloqueo por giro (no luminoso)

| NP2-BS □□ | Diámetro de cabeza de seta | Modelo | Color | | |
|---|---|---|---|---|---|
| | Ø30 | NP2-BS441 | ● | 1 | – |
| | | NP2-BS442 | ● | – | 1 |
| | Ø40 | NP2-BS541 | ● | 1 | – |
| | | NP2-BS542 | ● | – | 1 |
| | Ø60 | NP2-BS641 | ● | 1 | – |
| | | NP2-BS642 | ● | – | 1 |
| | Ø30 | NP2-BS443 | ● | 2 | – |
| | | NP2-BS444 | ● | – | 2 |
| | | NP2-BS445 | ● | 1 | 1 |
| | Ø40 | NP2-BS543 | ● | 2 | – |
| | | NP2-BS544 | ● | – | 2 |
| | | NP2-BS545 | ● | 1 | 1 |
| | Ø60 | NP2-BS643 | ● | 2 | – |
| | | NP2-BS644 | ● | – | 2 |
| | | NP2-BS645 | ● | 1 | 1 |

Dimensiones (mm)

NP2-BS □□□

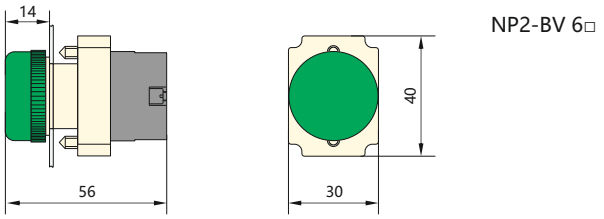



## ★ Piloto

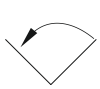
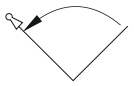
| NP2-BV □□ | Bombilla-Tensión | Modelo | Color |
|---|---|---|---|
| | LED: 6Vca, 12Vca, 24Vca, 36Vca, 48Vca, 110Vca, 230Vca | NP2-BV61 | ○ |
| | | NP2-BV63 | ● |
| | | NP2-BV64 | ● |
| | | NP2-BV65 | ● |
| | | NP2-BV66 | ● |

Dimensiones (mm)

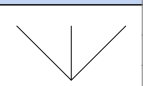
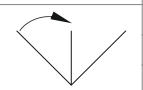
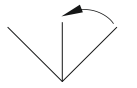
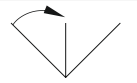
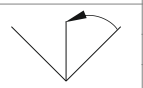
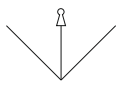
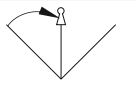
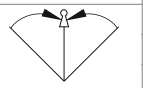
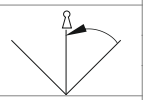
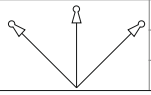
NP2-BV 6□



★ Selectores (2 posiciones)-(No luminoso)

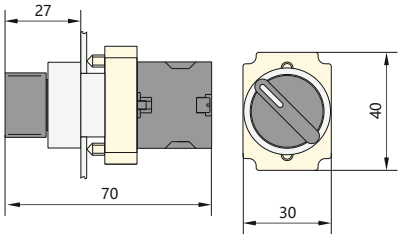
| NP2-BD (J, G) □□ | Metal | Selectores | | |
|---|---|---|---|---|
| | NP2-BD21 | | 1 | – |
| | NP2-BD22 | | – | 1 |
| | NP2-BD23 | | 2 | – |
| | NP2-BD24 | | – | 2 |
| | NP2-BD25 | | 1 | 1 |
| | NP2-BD41 | | 1 | – |
| | NP2-BD42 | | – | 1 |
| | NP2-BD43 | | 2 | – |
| | NP2-BD44 | | – | 2 |
| | NP2-BD45 | | 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 |

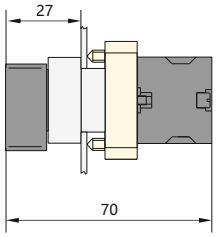
★ Selectores (3 posiciones)-(No luminoso)

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

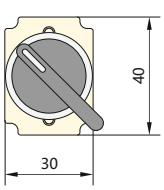
Dimensiones (mm)

NP2-BD □□

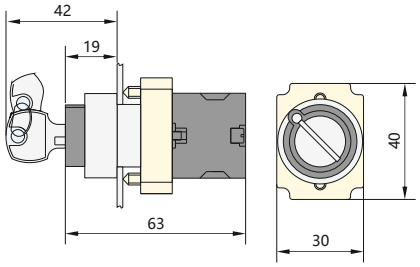



NP2-BJ □□




NP2-BG □□



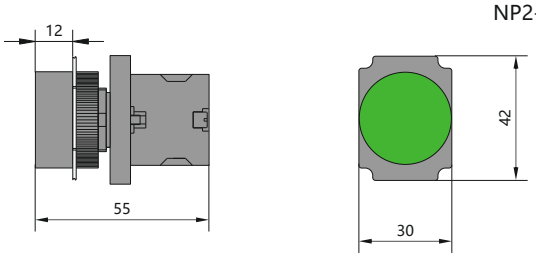

E

## ★ Pulsador rasante momentáneo (no luminoso)

| NP2-EA □□ | Modelo | 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 |

Dimensiones (mm)

NP2-EA □□



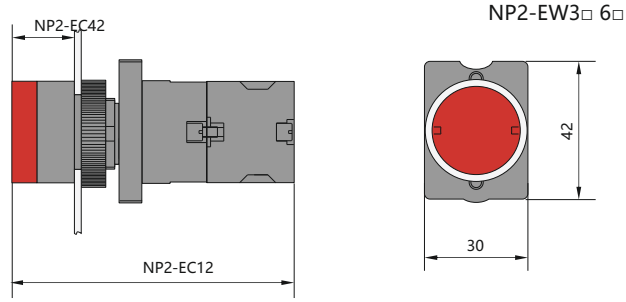

## ★ Pulsador rasante momentáneo (luminoso)

| NP2-EW3□□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | LED<br>6 Vca/Vcc,<br>12 Vca/Vcc,<br>24 Vca/Vcc,<br>36 Vca/Vcc,<br>48 Vca/Vcc,<br>110 Vca/Vcc,<br>230 Vca/Vcc | NP2-EW3161 | ○ | 1 | — |
| | | NP2-EW3361 | ● | 1 | — |
| | | NP2-EW3461 | ● | 1 | — |
| | | NP2-EW3561 | ● | 1 | — |
| | | NP2-EW3661 | ● | 1 | — |
| | | NP2-EW3162 | ○ | — | 1 |
| | | NP2-EW3362 | ● | — | 1 |
| | | NP2-EW3462 | ● | — | 1 |
| | | NP2-EW3562 | ● | — | 1 |
| | | NP2-EW3662 | ● | — | 1 |
| | | NP2-EW3165 | ○ | 1 | 1 |
| | | NP2-EW3365 | ● | 1 | 1 |
| | | NP2-EW3465 | ● | 1 | 1 |
| | | NP2-EW3565 | ● | 1 | 1 |
| | | NP2-EW3665 | ● | 1 | 1 |

| Np2-EA □□ | Modelo | 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 |

Dimensiones (mm)

NP2-EW3□ 6□



★ Pulsador tipo seta momentáneo Φ40 (no luminoso)

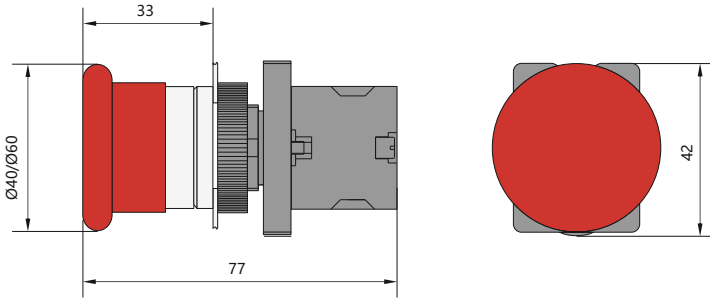
| NP2-EC □□ | Modelo | Color | | |
|---|---|---|---|---|
| | NP2-EC11 | ○ | 1 | – |
| | NP2-EC21 | ● | 1 | – |
| | NP2-EC31 | ● | 1 | – |
| | NP2-EC41 | ● | 1 | – |
| | NP2-EC51 | ● | 1 | – |
| | NP2-EC61 | ● | 1 | – |
| | NP2-EC12 | ○ | – | 1 |
| | NP2-EC22 | ● | – | 1 |
| | NP2-EC32 | ● | – | 1 |
| | NP2-EC42 | ● | – | 1 |
| | NP2-EC52 | ● | – | 1 |
| | NP2-EC62 | ● | – | 1 |
| | NP2-EC13 | ○ | 2 | — |
| | NP2-EC23 | ● | 2 | 1 |
| | 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 |

★ Pulsador tipo seta momentáneo Φ60 (no luminoso)

| NP2-ER □□ | Modelo | 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 |

Dimensiones (mm)

NP2-EC □□
NP2-ER □□



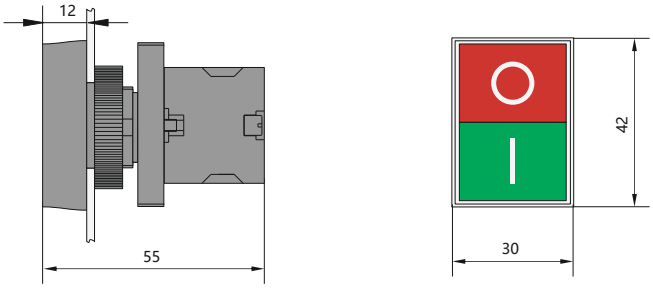

E

## ★ Pulsador doble rasante momentáneo (no luminoso)

| NP2-EL8 □□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | -------- | NP2-EL8325 | ● + ● | 1 | 1 |
| | -------- | NP2-EL8425 | ● + ● | 1 | 1 |

Dimensiones (mm)

NP2-EL8325

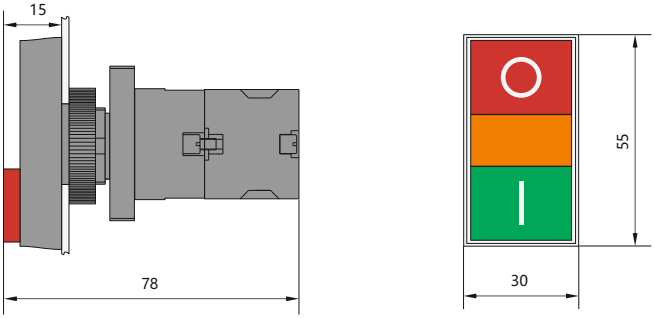



## ★ Pulsador doble rasante momentáneo con pulsador rojo saliente (luminoso)

| NP2-EW8 □□ | Bombilla-Tensión | Modelo | Color | | |
|---|---|---|---|---|---|
| | LED: 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc | NP2-EW8465 | ● + ● | 1 | 1 |

Dimensiones (mm)

NP2-EW 8 □ 6 □

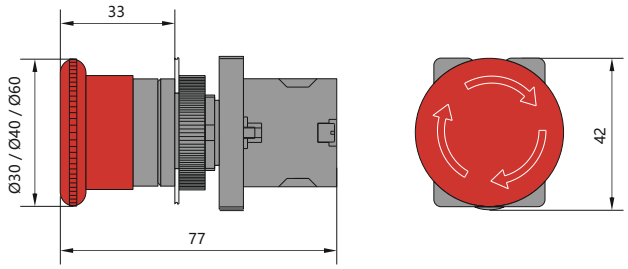


★ Pulsador tipo seta con bloqueo, desbloqueo por giro (no luminoso)

| NP2-ES □□ | Diámetro de cabeza de seta | Modelo | Color | | |
|---|---|---|---|---|---|
| | Ø30 | NP2-ES441 | | 1 | – |
| | | NP2-ES442 | | – | 1 |
| | Ø40 | NP2-ES541 | | 1 | – |
| | | NP2-ES542 | ● | – | 1 |
| | Ø60 | NP2-ES641 | | 1 | – |
| | | NP2-ES642 | | – | 1 |
| | Ø30 | NP2-ES443 | | 2 | – |
| | | NP2-ES444 | | – | 2 |
| | | NP2-ES445 | | 1 | 1 |
| | Ø40 | NP2-ES543 | | 2 | – |
| | | NP2-ES544 | ● | – | 2 |
| | | NP2-ES545 | | 1 | 1 |
| | Ø60 | NP2-ES643 | | 2 | – |
| | | NP2-ES644 | | – | 2 |
| | | NP2-ES645 | | 1 | 1 |

Dimensiones (mm)

NP2-ES □□□

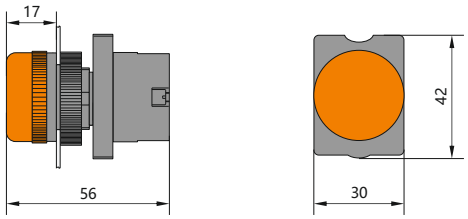



★ Piloto

| NP2-EV □□ | Bombilla-Tensión | Modelo | Color |
|---|---|---|---|
| | LED: 6Vca/Vcc, 12Vca/Vcc, 24Vca/Vcc, 36Vca/Vcc, 48Vca/Vcc, 110Vca/Vcc, 230Vca/Vcc, | NP2-EV61 | ○ |
| | | NP2-EV63 | ● |
| | | NP2-EV64 | ● |
| | | NP2-EV65 | ● |
| | | NP2-EV66 | ● |

Dimensiones (mm)

NP2-EV 6□

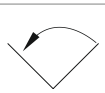



E

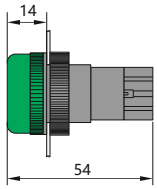
## ★ Piloto (compacto)

| NP2-EV16 □□ | Bombilla-Tensión | Modelo | Color |
|---|---|---|---|
| | LED: 6Vca, 12Vca, 24Vca, 36Vca, 48Vca, 110Vca, 230Vca | NP2-EV161 | ○ |
| | | NP2-EV163 | ● |
| | | NP2-EV164 | ● |
| | | NP2-EV165 | ● |
| | | NP2-EV166 | ● |

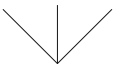
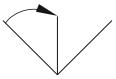
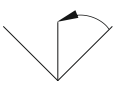
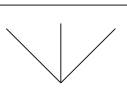
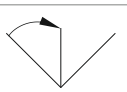
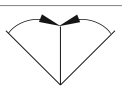
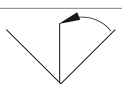
## ★ Selectores (2 posiciones)-(No luminosos)

| NP2-ED (J、G) □□ | Modelo | Selectores | | |
|---|---|---|---|---|
| | 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 |

Dimensiones (mm)

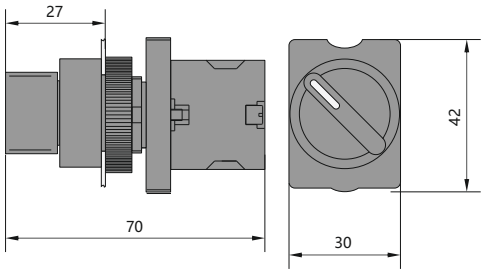



## ★ Selectores (3 posiciones)-(No luminosos)

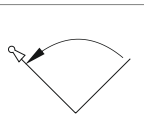
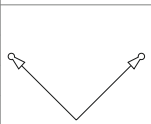
| NP2-ED (J、G) □□ | Modelo | Selectores | | |
|---|---|---|---|---|
| | NP2-ED33 |  | 2 | – |
| | NP2-ED34 | | – | 2 |
| | NP2-ED35 | | 1 | 1 |
| | NP2-ED73 |  | 2 | – |
| | NP2-ED74 | | – | 2 |
| | NP2-ED75 | | 1 | 1 |
| | NP2-ED53 | | 2 | – |
| | NP2-ED54 | | – | 2 |
| | NP2-ED55 | | 1 | 1 |
| | NP2-ED83 |  | 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 |

Dimensiones (mm)

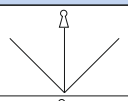
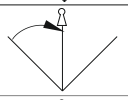
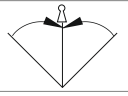
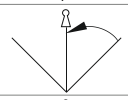
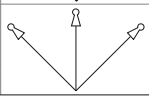
NP2-ED □□



★ Selectores (2 posiciones)-(No luminosos)

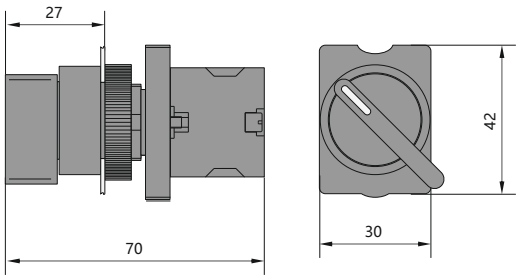
| NP2-ED (J、G) □□ | Modelo | Selectores | | |
|---|---|---|---|---|
| | NP2-EG21 | | 1 | – |
| | NP2-EG22 | | – | 1 |
| | NP2-EG23 | | 2 | – |
| | NP2-EG24 | | – | 2 |
| | NP2-EG25 | | 1 | 1 |
| | NP2-EG41 |  | 1 | – |
| | NP2-EG42 | | – | 1 |
| | NP2-EG43 | | 2 | – |
| | NP2-EG44 | | – | 2 |
| | NP2-EG45 | | 1 | 1 |
| | NP2-EG21B |  | 1 | – |
| | NP2-EG22B | | – | 1 |
| | NP2-EG23B | | 2 | – |
| | NP2-EG24B | | – | 2 |
| | NP2-EG25B | | 1 | 1 |

★ Selectores (3 posiciones)-(No luminosos)

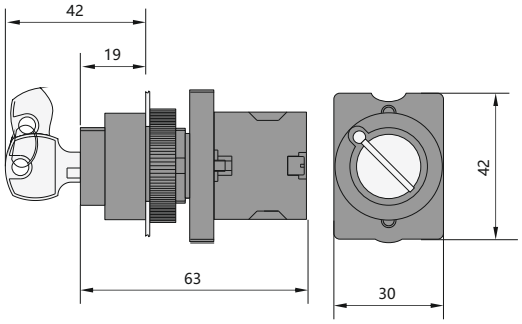
| NP2-ED (J、G) □□ | Modelo | Selectores | | |
|---|---|---|---|---|
| | NP2-EG33 |  | 2 | – |
| | NP2-EG34 | | – | 2 |
| | NP2-EG35 | | 1 | 1 |
| | NP2-EG73 |  | 2 | – |
| | NP2-EG74 | | – | 2 |
| | NP2-EG75 | | 1 | 1 |
| | NP2-EG53 |  | 2 | – |
| | NP2-EG54 | | – | 2 |
| | NP2-EG55 | | 1 | 1 |
| | NP2-EG83 |  | 2 | – |
| | NP2-EG84 | | – | 2 |
| | NP2-EG85 | | 1 | 1 |
| | NP2-EG33D |  | 2 | – |
| | NP2-EG34D | | – | 2 |
| | NP2-EG35D | | 1 | 1 |

Dimensiones (mm)

NP2-EJ □□




NP2-EG □□




E

Cabeza

## ★ Pulsador rasante momentáneo (no luminoso)

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

| NP2-BA□□□ | Metal | Especificaciones |
|---|---|---|
| | NP2-BA331 | ● |
| | NP2-BA236 | ● |
| | NP2-BA432 | ● |
| | NP2-BA235 | ● |
| | NP2-BA134 | ○ |
| | NP2-BA637 | ● |

## ★ Pulsador rasante momentáneo (luminoso)

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

## ★ Pulsador doble (no luminoso)

| NP2-BL □□□ | Metal | Especificaciones |
|---|---|---|
| | NP2-BL832 | Botón rasante |
| | NP2-BL842 | Botón rasante<br>+ botón saliente |

## ★ Pulsador doble (luminoso)

| NP2-BW □□ | Metal | Especificaciones |
|---|---|---|
| | NP2-BW84 | Botón rasante<br>+ botón saliente |

## ★ Piloto

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

## ★ Pulsador de parada de emergencia

| NP2-BS□4 | Metal | Especificaciones |
|---|---|---|
| | NP2-BS44 | 4: Restablecimiento con giro Ø30 |
| | NP2-BS54 | 5: Restablecimiento con giro Ø40 |
| | NP2-BS64 | 6: Restablecimiento con giro Ø60 |

| NP2-EA □ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EA1 | ○ |
| | NP2-EA2 | ● |
| | NP2-EA3 | ● |
| | NP2-EA4 | ● |
| | NP2-EA5 | ● |
| | NP2-EA6 | ● |

| NP2-EW3 □ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EW31 | ○ |
| | NP2-EW33 | ● |
| | NP2-EW34 | ● |
| | NP2-EW35 | ● |
| | NP2-EW36 | ● |

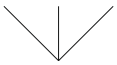
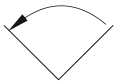
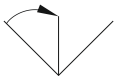
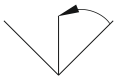
| NP2-EL □□□ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EL832 | Botón rasante |
| | NP2-EL842 | Botón rasante<br>+ botón saliente |

| NP2-EW □□ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EW84 | Botón rasante<br>+ botón saliente |

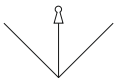
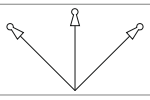
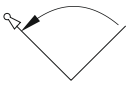
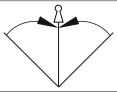
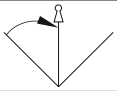
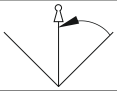
| NP2-EV/ □ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EV/1 | ○ |
| | NP2-EV/3 | ● |
| | NP2-EV/4 | ● |
| | NP2-EV/5 | ● |
| | NP2-EV/6 | ● |

| NP2-ES□4 | Plástico | Especificaciones |
|---|---|---|
| | NP2-ES34 | 3: Indicación de estado restablecimiento con giro Ø40 |
| | NP2-ES44 | 4: Restablecimiento con giro Ø30 |
| | NP2-ES54 | 5: Restablecimiento con giro Ø40 |
| | NP2-ES64 | 6: Restablecimiento con giro Ø60 |

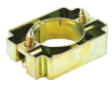
## ★ Cabeza del selector (no luminoso)

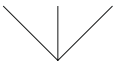
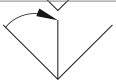
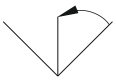
| NP2-BD/ □ | Metal | Especificaciones |
|---|---|---|
| | NP2-BD2 | |
| | NP2-BD3 |  |
| | NP2-BD4 |  |
| | NP2-BD5 | |
| | NP2-BG7 |  |
| | NP2-BG8 |  |

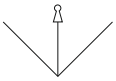
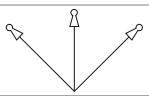
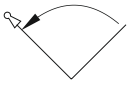
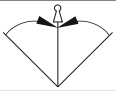
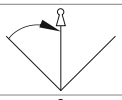
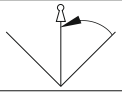
## ★ Cabeza de selector con llave (no luminoso)

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

## ★ Soporte metálico

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

| NP2-ED/ □ | Plástico | Especificaciones |
|---|---|---|
| | NP2-ED2 | |
| | NP2-ED3 |  |
| | NP2-ED4 | |
| | NP2-ED5 | |
| | NP2-EG7 |  |
| | NP2-EG8 |  |

| NP2-EG □ | Plástico | Especificaciones |
|---|---|---|
| | NP2-EG2 | |
| | NP2-EG2B | |
| | NP2-EG3 |  |
| | NP2-EG3D |  |
| | NP2-EG4 |  |
| | NP2-EG5 |  |
| | NP2-EG7 |  |
| | NP2-EG8 |  |

| NP2-EZ009 | Plástico | Especificaciones |
|---|---|---|
| | NP2-EZ009 | Para NP2-E □□ |

E

## ★ Etiqueta de advertencia

| NP2-BY | Plástico | Especificaciones |
|---|---|---|
| | NP2-BY9101<br>NP2-BY9330 | Ø60 (en blanco)<br>Ø60 (impresa) |
| | NP2-BY8101<br>NP2-BY8330 | Ø90 (en blanco)<br>Ø90 (impresa) |

## ★ Bloque de contactos

| NP2-BE □□□ | Metal | Especificaciones |
|---|---|---|
| | NP2-BE101 | Contacto NA |
| | NP2-BE102 | Contacto NC |
| | NP2-BE103 | 2 contactos NA |
| | NP2-BE104 | 2 contactos NC |
| | NP2-BE105 | 1 contacto NA+1 contacto NC |

## ★ Base para botón luminoso (sin bombilla)

| NP2-EW □/EV □ | Metal | Especificaciones |
|---|---|---|
| | NP2-EW6/EV6 | Tipo directo |

## ★ Bombilla (LED)

| BA9s | Especificaciones | |
|---|---|---|
| | 6Vca/Vcc | ○ |
| | 6Vca/Vcc | ● |
| | 6Vca/Vcc | ● |
| | 6Vca/Vcc | ● |
| | 6Vca/Vcc | ● |
| | 12Vca/Vcc | ○ |
| | 12Vca/Vcc | ● |
| | 12Vca/Vcc | ● |
| | 12Vca/Vcc | ● |
| | 12Vca/Vcc | ● |
| | 24Vca/vcc | ○ |
| | 24Vca/vcc | ● |
| | 24Vca/vcc | ● |
| | 24Vca/vcc | ● |
| | 24Vca/vcc | ● |
| | 36Vca/Vcc | ○ |
| | 36Vca/Vcc | ● |
| | 36Vca/Vcc | ● |
| | 36Vca/Vcc | ● |
| | 36Vca/Vcc | ● |

| NP2-BZ | Plástico | Especificaciones |
|---|---|---|
| | NP2-BZ31 | 30mm(H)X45mm(L) |

## ★ Protectores de pulsador (impermeable)

| | Especificaciones |
|---|---|
| | Para NP2-BP ○ ● ● ● ● ● |
| | Para NP2-BA(EA) |

| | Especificaciones |
|---|---|
| | Para NP2-BL(EL)832 |
| | Para NP2-BL(EL)842 |

| BA9s | Especificaciones | |
|---|---|---|
| | 48Vca/vcc | ○ |
| | 48Vca/vcc | ● |
| | 48Vca/vcc | ● |
| | 48Vca/vcc | ● |
| | 48Vca/vcc | ● |
| | 110Vca/Vcc | ○ |
| | 110Vca/Vcc | ● |
| | 110Vca/Vcc | ● |
| | 110Vca/Vcc | ● |
| | 110Vca/Vcc | ● |
| | 220Vca/Vcc | ○ |
| | 220Vca/Vcc | ● |
| | 220Vca/Vcc | ● |
| | 220Vca/Vcc | ● |
| | 220Vca/Vcc | ● |

★ Cajas

| PIC | Código de botón con caja (código de fábrica) | Significado del código | | |
|---|---|---|---|---|
| | | Configuración | Indicación | Color de la tapa |
| | B101H29 | Pulsador rasante verde, 1NA | Indicación en base: START | Gris claro |
| | B102 | Pulsador rasante verde, 1NA | Indicación en pulsador: I | Gris claro |
| | B103 | Pulsador rasante verde, 1NA | Indicación en pulsador: START | Gris claro |
| | B111H29 | Botón rasante rojo, 1NC | Indicación en base: STOP | Gris claro |
| | B112 | Botón rasante rojo, 1NC | Indicación en pulsador: O | Gris claro |
| | B114 | Botón rasante rojo, 1NC | Indicación en pulsador: STOP | Gris claro |
| | B174H29 | Botón tipo seta Ø40 de color rojo con autobloqueo y desbloqueo por giro 1NC | Indicación en base: STOP | Gris claro |
| | J174 H29 | Botón tipo seta Ø40 de color rojo con autobloqueo y desbloqueo por giro 1NC | Indicación en base: STOP | Amarillo |
| | J174 | Botón tipo seta Ø40 de color rojo con autobloqueo desbloqueo por giro 1NC | | Amarillo |
| | B132H29 | Selector de bloqueo con dos posiciones, 1NA | Indicación en base: STOP START | Gris claro |
| | B142H29 | Botón con llave de bloqueo y dos posiciones, 1 NA | Indicación en base: STOP START | Gris claro |
| | B211H29 | Botón rasante verde 1NA Botón rasante rojo 1NC | Indicación en base: STOP, START | Gris claro |
| | B213 | Botón rasante verde 1NA Botón rasante rojo 1NC | Indicación en pulsador: I O | Gris claro |
| | B215 | Botón rasante verde 1NA Botón rasante rojo 1NC | Indicación en pulsador: START,STOP | Gris claro |
| | B222 | Pulsador rasante blanco 1NA Pulsador rasante negro 1NA | Indicación en pulsador: ↑↓ | Gris claro |
| | B223 | Pulsador rasante blanco 1NA Pulsador rasante negro 1NA | Indicación en pulsador: → ← | Gris claro |

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