



NP8 - Auxiliares de mando 22mmø

1. Información general

Tensión nominal: 50/60Hz, 415Vca/250Vcc;
 Grado de protección: IP54
 Norma: IEC/EN60947-5-1

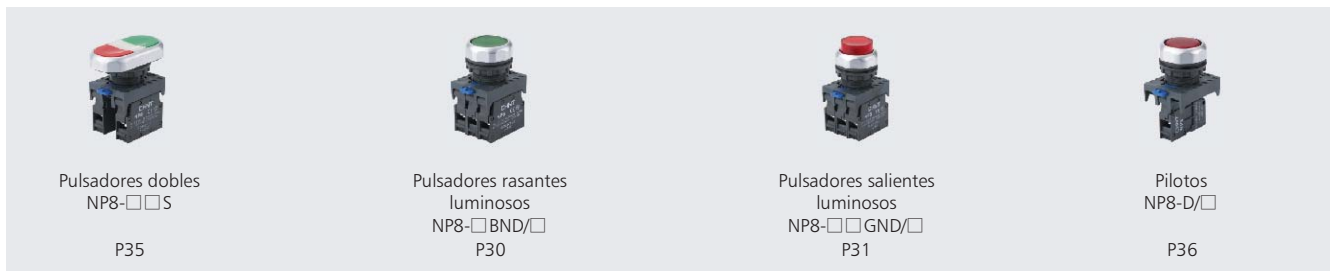


2. Condiciones de trabajo y montaje

- 2.1 Temperatura ambiente: -5°C~+40°C, la temperatura media en 24 horas no debe superar los +35°C.
- 2.2 Altitud: ≤2000m.
- 2.3 Condiciones atmosféricas: La humedad relativa no debe superar el 50% si la temperatura máxima es de +40°C; una humedad relativa superior es permisible bajo temperaturas inferiores, pudiendo ser del 90% a +20°C, por ejemplo. En casos de condensación debida a cambios de temperatura, se deben tomar medidas especiales.
- 2.4 Grado de contaminación: Grado 3
- 2.5 Categoría de instalación: II

Cabeza metálica





3. Datos técnicos

3.1 Consulte la tabla siguiente para obtener los valores nominales de cada categoría.

A600	CA15	Tensión de trabajo nominal, V	415	240	120
		Corriente de trabajo nominal, A	1.9	3	6
Q300	Cc13	Tensión de trabajo nominal, V	250	125	-
		Corriente de trabajo nominal, A	0.27	0.55	-

3.2 Consulte la tabla 3 para obtener los parámetros básicos de los pulsadores luminosos.

Parámetros básicos	Lámpara LED
Corriente de trabajo nominal	≤20mA
Tensión de trabajo nominal	6V, 12V, 24V, 36V, CA 110V, 220Vca/Vcc

3.3 Endurancia

Vida útil mecánica: Tipos rasante, de seta y tipos luminosos = 3×10^6 maniobras.

Tipos selector, doble, con giro para desenclavar y con llave = 1×10^5 maniobras.

Vida útil eléctrica:

Tipos rasante, de seta y tipos luminosos = CA 1×10^6 / CC 2.5×10^5 maniobras.

Tipos selector, doble, con giro para desenclavar y con llave = 1×10^5 maniobras.

4. Características

4.1 Colores brillantes y superficie aerodinámica.

4.2 Diseño modular. El mecanismo de accionamiento, el adaptador, el sistema de contactos y el sistema de iluminación pueden combinarse

libremente para llevar a cabo distintas funciones.

4.3 Fácil de montar y desmontar gracias a su construcción de acoplamiento rápido.





4.4 La función de enclavamiento automático del adaptador central permite un montaje y una conexión fáciles y fiables.

4.5 Los tornillos de los terminales cuentan con un mecanismo anti-aflojamiento para evitar que se separe del cuerpo durante el transporte.


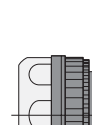
4.6 La lámpara LED, de brillo intenso y larga vida útil, garantiza una señalización segura.

5. NP8 - Auxiliares de mando (Diámetro de perforación: 22,3mm)

★ Pulsadores rasantes momentáneos

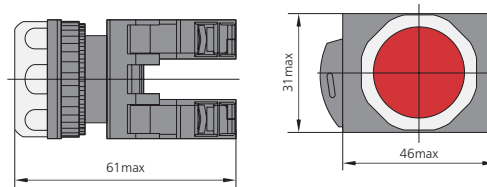
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	NP8-10BN/4	●	1	—
	NP8-10BN/5	●	1	—
	NP8-10BN/6	●	1	—
	NP8-01BN/1	○	—	1
	NP8-01BN/2	●	—	1
	NP8-01BN/3	●	—	1
	NP8-01BN/4	●	—	1
	NP8-01BN/5	●	—	1
	NP8-01BN/6	●	—	1
	NP8-20BN/1	○	2	—
	NP8-20BN/2	●	2	—
	NP8-20BN/3	●	2	—
	NP8-20BN/4	●	2	—
	NP8-20BN/5	●	2	—
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	NP8-02BN/4	●	—	2
	NP8-02BN/5	●	—	2
	NP8-02BN/6	●	—	2
	NP8-11BN/1	○	1	1
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	NP8-11BN/3	●	1	1
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	NP8-11BN/5	●	1	1
	NP8-11BN/6	●	1	1
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	NP8-30BN/2	●	3	—
	NP8-30BN/3	●	3	—
	NP8-30BN/4	●	3	—
	NP8-30BN/5	●	3	—
	NP8-30BN/6	●	3	—

★ Pulsadores rasantes momentáneos



NP8-□□ BN/ □□	Referencia	Color	↵	↶
	NP8-03BN/1	○	—	3
	NP8-03BN/2	●	—	3
	NP8-03BN/3	●	—	3
	NP8-03BN/4	●	—	3
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	NP8-03BN/6	●	—	3
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	NP8-12BN/3	●	1	2
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	NP8-12BN/6	●	1	2
	NP8-21BN/1	○	2	1
	NP8-21BN/2	●	2	1
	NP8-21BN/3	●	2	1
	NP8-21BN/4	●	2	1
	NP8-21BN/5	●	2	1
	NP8-21BN/6	●	2	1

Dimensiones (mm)

NP8-□□BN/□

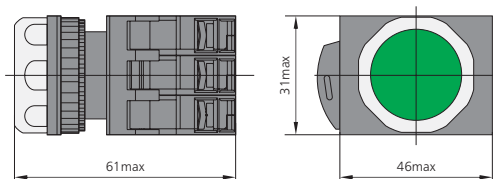


★ Pulsadores rasantes momentáneos - luminosos 6~36Vca/Vcc y 110, 220Vca







NP8-□□ BND/□□	Referencia	Color	↘	↙	
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	NP8-10BND/3	●	1	—	
	NP8-10BND/4	●	1	—	
	NP8-10BND/5	●	1	—	
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NP8-01BND/4	●	—	1	—	
NP8-01BND/5	●	—	1	—	
NP8-01BND/6	●	—	1	—	
	NP8-20BND/1	○	2	—	
	NP8-20BND/3	●	2	—	
	NP8-20BND/4	●	2	—	
	NP8-20BND/5	●	2	—	
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	NP8-02BND/6	●	—	2	—
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	NP8-11BND/3	●	1	1	—
NP8-11BND/4	●	1	1	—	
NP8-11BND/5	●	1	1	—	
NP8-11BND/6	●	1	1	—	

Dimensiones (mm)

NP8-□□BND/□



★ Pulsadores salientes momentáneos

NP8-□□ GN/□□	Referencia	Color	↘	↙
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	NP8-10GN/3	●	1	—
	NP8-10GN/4	●	1	—
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	NP8-01GN/4	●	—	1
	NP8-01GN/5	●	—	1
	NP8-01GN/6	●	—	1
	NP8-20GN/1	○	2	—
	NP8-20GN/2	●	2	—
	NP8-20GN/3	●	2	—
	NP8-20GN/4	●	2	—
	NP8-20GN/5	●	2	—
	NP8-20GN/6	●	2	—
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	NP8-02GN/4	●	—	2
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	NP8-30GN/5	●	3	—
	NP8-30GN/6	●	3	—
	NP8-03GN/1	○	—	3
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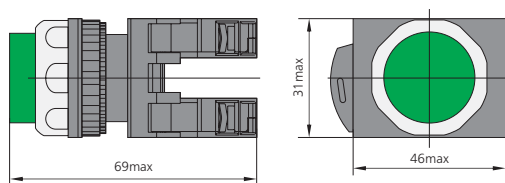
★ Pulsadores salientes momentáneos

NP8-□□ GN/□□	Referencia	Color	↙	↘
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	NP8-30GN/5	●	3	—
	NP8-30GN/6	●	3	—
	NP8-03GN/1	○	—	3
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	NP8-03GN/4	●	—	3
	NP8-03GN/5	●	—	3
	NP8-03GN/6	●	—	3
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	NP8-12GN/3	●	1	2
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	NP8-12GN/6	●	1	2
	NP8-21GN/1	○	2	1
	NP8-21GN/2	●	2	1
	NP8-21GN/3	●	2	1
	NP8-21GN/4	●	2	1
	NP8-21GN/5	●	2	1
	NP8-21GN/6	●	2	1



Dimensiones (mm)

NP8-□□GN/□



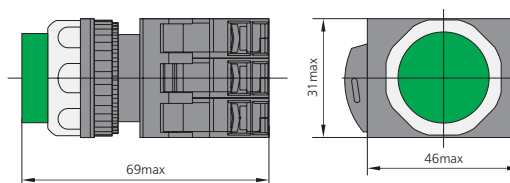
★ Pulsadores salientes momentáneos - luminosos 6~36Vca/Vcc y 110, 220Vca

NP8-□□ GND/□□	Referencia	Color	↙	↘
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	NP8-10GND/3	●	1	—
	NP8-10GND/4	●	1	—
	NP8-10GND/5	●	1	—
	NP8-10GND/6	●	1	—
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	NP8-01GND/3	●	—	1
	NP8-01GND/4	●	—	1
	NP8-01GND/5	●	—	1
	NP8-01GND/6	●	—	1
	NP8-20GND/1	○	2	—
	NP8-20GND/3	●	2	—
	NP8-20GND/4	●	2	—
	NP8-20GND/5	●	2	—
	NP8-20GND/6	●	2	—
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	NP8-02GND/3	●	—	2
	NP8-02GND/4	●	—	2
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	NP8-11GND/3	●	1	1
	NP8-11GND/4	●	1	1
	NP8-11GND/5	●	1	1
	NP8-11GND/6	●	1	1






Dimensiones (mm)


NP8-□□GND/□





★ Pulsadores de seta momentáneos ϕ 40

NP8-□□ M/ □□	Referencia	Color	↘	↙	
	NP8-10M/11	○	1	—	
	NP8-10M/12	●	1	—	
	NP8-10M/13	●	1	—	
	NP8-10M/14	●	1	—	
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	NP8-01M/13	●	—	1	
	NP8-01M/14	●	—	1	
	NP8-01M/15	●	—	1	
	NP8-01M/16	●	—	1	
		NP8-20M/11	○	2	—
		NP8-20M/12	●	2	—
		NP8-20M/13	●	2	—
		NP8-20M/14	●	2	—
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NP8-20M/16		●	2	—	
NP8-02M/11		○	—	2	
NP8-02M/12		●	—	2	
NP8-02M/13		●	—	2	
NP8-02M/14		●	—	2	
NP8-02M/15		●	—	2	
NP8-02M/16		●	—	2	
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NP8-11M/13		●	1	1	
NP8-11M/14		●	1	1	
NP8-11M/15	●	1	1		
NP8-11M/16	●	1	1		
	NP8-30M/11	○	3	—	
	NP8-30M/12	●	3	—	
	NP8-30M/13	●	3	—	
	NP8-30M/14	●	3	—	
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	NP8-30M/16	●	3	—	
	NP8-03M/11	○	—	3	
	NP8-03M/12	●	—	3	
	NP8-03M/13	●	—	3	

★ Pulsadores de seta momentáneos ϕ 40


NP8-□□ M/ □□	Referencia	Color	↘	↙
	NP8-03M/14	●	—	3
	NP8-03M/15	●	—	3
	NP8-03M/16	●	—	3
	NP8-12M/11	○	1	2
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	NP8-21M/12	●	2	1
	NP8-21M/13	●	2	1
	NP8-21M/14	●	2	1
	NP8-21M/15	●	2	1
	NP8-21M/16	●	2	1

★ Pulsadores de seta momentáneos ϕ 60

NP8-□□ M/ □□	Referencia	Color	↘	↙	
	NP8-10M/21	○	1	—	
	NP8-10M/22	●	1	—	
	NP8-10M/23	●	1	—	
	NP8-10M/24	●	1	—	
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	NP8-01M/26	●	—	1	
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		NP8-20M/23	●	2	—
		NP8-20M/24	●	2	—
NP8-20M/25		●	2	—	
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NP8-02M/21		○	—	2	
NP8-02M/22		●	—	2	

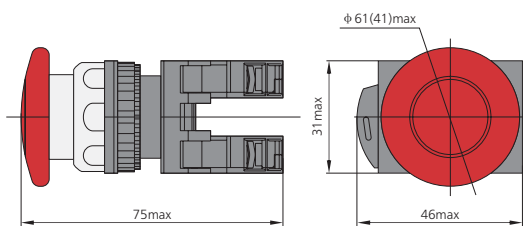
1 CONTACT BLOCK
(Non-illuminated)

★ Pulsadores de seta momentáneos $\phi 60$


NP8-□□ M/ □□	Referencia	Color	↵	↶
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	NP8-02M/24	●	—	2
	NP8-02M/25	●	—	2
	NP8-02M/26	●	—	2
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	NP8-11M/22	●	1	1
	NP8-11M/23	●	1	1
	NP8-11M/24	●	1	1
	NP8-11M/25	●	1	1
	NP8-11M/26	●	1	1
	NP8-30M/21	○	3	—
	NP8-30M/22	●	3	—
NP8-30M/23	●	3	—	
NP8-30M/24	●	3	—	
NP8-30M/25	●	3	—	
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NP8-21M/21	○	2	1	
NP8-21M/22	●	2	1	
NP8-21M/23	●	2	1	
NP8-21M/24	●	2	1	
NP8-21M/25	●	2	1	
NP8-21M/26	●	2	1	

Dimensiones (mm)

NP8-□□M/□



★ Pulsadores de seta momentáneos $\phi 40$ - luminosos 6~36Vca /Vcc y 110,220Vca

NP8-□□ MD/ □□	Referencia	Color	↵	↶
	NP8-10MD/11	○	1	—
	NP8-10MD/13	●	1	—
	NP8-10MD/14	●	1	—
	NP8-10MD/15	●	1	—
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	NP8-01MD/16	●	—	1
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	NP8-20MD/14	●	2	—
	NP8-20MD/15	●	2	—
	NP8-20MD/16	●	2	—
	NP8-02MD/11	○	—	2
NP8-02MD/13	●	—	2	
NP8-02MD/14	●	—	2	
NP8-02MD/15	●	—	2	
NP8-02MD/16	●	—	2	
NP8-11MD/11	○	1	1	
NP8-11MD/13	●	1	1	
NP8-11MD/14	●	1	1	
NP8-11MD/15	●	1	1	
NP8-11MD/16	●	1	1	

★ Pulsadores de seta momentáneos $\phi 60$ - luminosos 6~36Vca/ Vcc y 110,220Vca

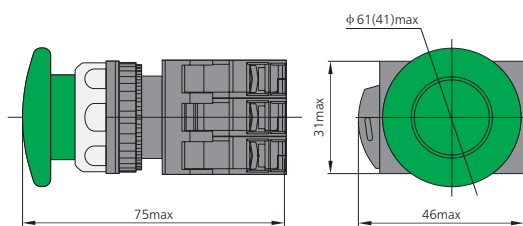
NP8-□□ MD/ □□	Referencia	Color	↵	↶
1 CONTACT BLOCK (Non-illuminated)	NP8-10MD/11	○	1	—
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	NP8-10MD/14	●	1	—
	NP8-10MD/15	●	1	—
	NP8-10MD/16	●	1	—
	NP8-01MD/11	○	—	1
	NP8-01MD/13	●	—	1
	NP8-01MD/14	●	—	1
	NP8-01MD/15	●	—	1
	NP8-01MD/16	●	—	1

★ Pulsadores de seta momentáneos ϕ 60 - luminosos 6~36Vca/ Vcc y 110,220Vca


NP8-□□ MD/ □□	Referencia	Color	↘	↙
2 CONTACT BLOCK (Non-illuminated)	NP8-20MD/11	○	2	—
	NP8-20MD/13	●	2	—
	NP8-20MD/14	●	2	—
	NP8-20MD/15	●	2	—
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	NP8-02MD/11	○	—	2
	NP8-02MD/13	●	—	2
	NP8-02MD/14	●	—	2
	NP8-02MD/15	●	—	2
	NP8-02MD/16	●	—	2
	NP8-11MD/11	○	1	1
	NP8-11MD/13	●	1	1
	NP8-11MD/14	●	1	1
	NP8-11MD/15	●	1	1
	NP8-11MD/16	●	1	1

Dimensiones (mm)


NP8-□□MD/□






★ Pulsadores de seta - girar para desbloquear ϕ 40

NP8-□□ ZS/ □□	Referencia	Color	↘	↙
	NP8-10ZS/11	○	1	—
	NP8-10ZS/12	●	1	—
	NP8-10ZS/13	●	1	—
	NP8-10ZS/14	●	1	—
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	NP8-01ZS/12	●	—	1
	NP8-01ZS/13	●	—	1
	NP8-01ZS/14	●	—	1
	NP8-01ZS/15	●	—	1
	NP8-01ZS/16	●	—	1


★ Pulsadores de seta - girar para desbloquear ϕ 40

NP8-□□ ZS/ □□	Referencia	Color	↘	↙
	NP8-20ZS/11	○	2	—
	NP8-20ZS/12	●	2	—
	NP8-20ZS/13	●	2	—
	NP8-20ZS/14	●	2	—
	NP8-20ZS/15	●	2	—
	NP8-20ZS/16	●	2	—
	NP8-02ZS/11	○	—	2
	NP8-02ZS/12	●	—	2
	NP8-02ZS/13	●	—	2
	NP8-02ZS/14	●	—	2
	NP8-02ZS/15	●	—	2
	NP8-02ZS/16	●	—	2
	NP8-11ZS/11	○	1	1
	NP8-11ZS/12	●	1	1
	NP8-11ZS/13	●	1	1
	NP8-11ZS/14	●	1	1
NP8-11ZS/15	●	1	1	
NP8-11ZS/16	●	1	1	

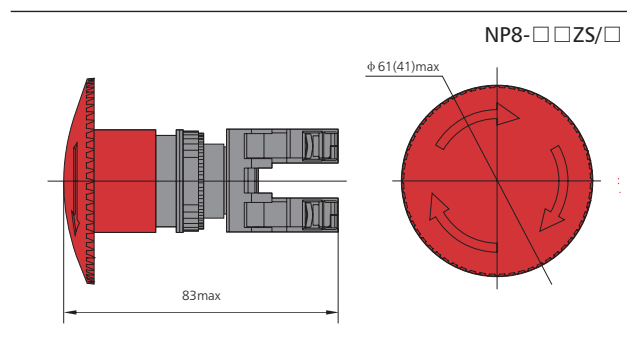
★ Pulsadores de seta - girar para desbloquear ϕ 60

NP8-□□ ZS/ □□	Referencia	Color	↘	↙
	NP8-10ZS/21	○	1	—
	NP8-10ZS/22	●	1	—
	NP8-10ZS/23	●	1	—
	NP8-10ZS/24	●	1	—
	NP8-10ZS/25	●	1	—
	NP8-10ZS/26	●	1	—
	NP8-01ZS/21	○	—	1
	NP8-01ZS/22	●	—	1
	NP8-01ZS/23	●	—	1
	NP8-01ZS/24	●	—	1
	NP8-01ZS/25	●	—	1
	NP8-01ZS/26	●	—	1
	NP8-20ZS/21	○	2	—
	NP8-20ZS/22	●	2	—
	NP8-20ZS/23	●	2	—
	NP8-20ZS/24	●	2	—
	NP8-20ZS/25	●	2	—
	NP8-20ZS/26	●	2	—


★ Pulsadores de seta - girar para desbloquear $\phi 60$

NP8-□□ ZS/□□	Referencia	Color	↙	↘
	NP8-02ZS/21	○	—	2
	NP8-02ZS/22	●	—	2
	NP8-02ZS/23	●	—	2
	NP8-02ZS/24	●	—	2
	NP8-02ZS/25	●	—	2
	NP8-02ZS/26	●	—	2
	NP8-11ZS/21	○	2	1
	NP8-11ZS/22	●	2	1
	NP8-11ZS/23	●	2	1
	NP8-11ZS/24	●	2	1
	NP8-11ZS/25	●	2	1
	NP8-11ZS/26	●	2	1


Dimensiones (mm)



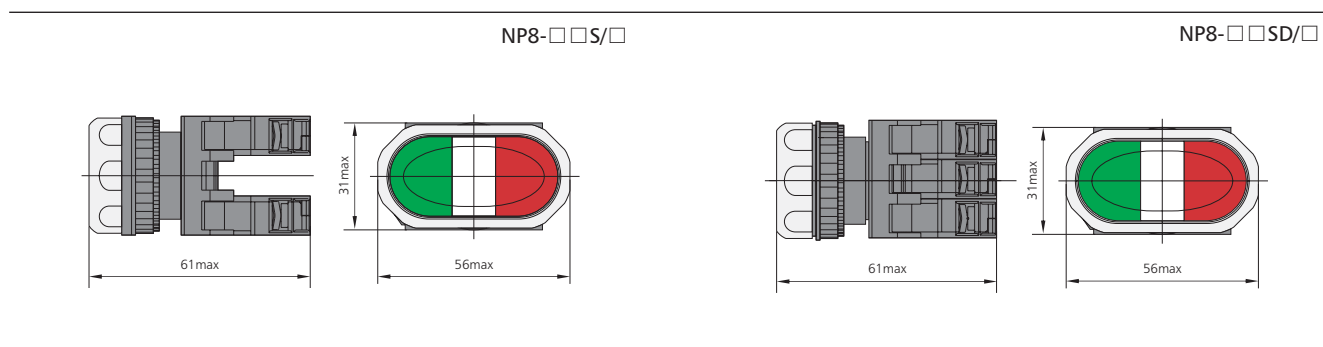
★ Pulsadores dobles rasantes, momentáneos

NP8-□□ S	Lamp-Voltage	Referencia	Color	↙	↘
	Non-illuminated	NP8-20S	● + ●	2	—
		NP8-02S	● + ●	—	2
		NP8-11S	● + ●	1	1

★ Pulsadores dobles, rasantes, momentáneos, luminosos

NP8-□□ SD	Lamp-Voltage	Referencia	Color	↙	↘
	LED: AC/DC 6V, 12V, 24V, 36V; AC 110V, 230V	NP8-20SD	● + ●	2	—
		NP8-02SD	● + ●	—	2
		NP8-11SD	● + ●	1	1

Dimensiones (mm)



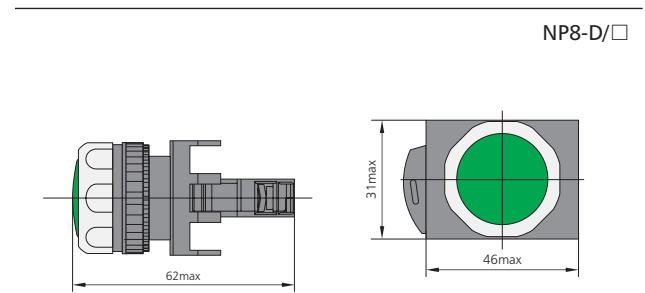
★ Pilotos

NP8-D/ □	Lámparas	Referencia	Color
	LED: ca/cc: 6V, 12V, 24V, 36V; ca: 110V, 230V	NP8-D/1	○
		NP8-D/3	●
		NP8-D/4	●
		NP8-D/5	●
		NP8-D/6	●
		NP8-D/6	●

★ Selectores - 2 posiciones

NP8- □□ X/ □	Referencia	Color	Posiciones	↙	↘	
	NP8-10X/211	○	↙	1	—	
	NP8-10X/212	●		1	—	
	NP8-10X/213	●		1	—	
	NP8-10X/214	●		1	—	
	NP8-10X/215	●		1	—	
	NP8-10X/216	●		1	—	
	NP8-01X/211	NP8-01X/211	○	↘	—	1
		NP8-01X/212	●		—	1
		NP8-01X/213	●		—	1
		NP8-01X/214	●		—	1
		NP8-01X/215	●		—	1
		NP8-01X/216	●		—	1
	NP8-20X/211	○	↙	2	—	
	NP8-20X/212	●		2	—	
	NP8-20X/213	●		2	—	
	NP8-20X/214	●		2	—	
	NP8-20X/215	●		2	—	
	NP8-20X/216	●		2	—	
	NP8-02X/211	NP8-02X/211	○	↘	—	2
		NP8-02X/212	●		—	2
		NP8-02X/213	●		—	2
		NP8-02X/214	●		—	2
		NP8-02X/215	●		—	2
		NP8-02X/216	●		—	2
NP8-11X/211	NP8-11X/211	○	↙	1	1	
	NP8-11X/212	●		1	1	
	NP8-11X/213	●		1	1	
	NP8-11X/214	●		1	1	
	NP8-11X/215	●		1	1	
	NP8-11X/216	●		1	1	

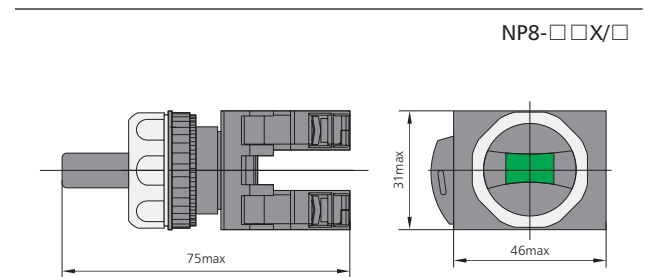
Dimensiones (mm)





★ Selectores - 3 posiciones

NP8- □□ X/ □	Referencia	Color	Posiciones	↙	↘	
	NP8-20X/311	○	↙	2	—	
	NP8-20X/312	●		2	—	
	NP8-20X/313	●		2	—	
	NP8-20X/314	●		2	—	
	NP8-20X/315	●		2	—	
	NP8-20X/316	●		2	—	
	NP8-02X/311	NP8-02X/311	○	↘	—	2
		NP8-02X/312	●		—	2
		NP8-02X/313	●		—	2
		NP8-02X/314	●		—	2
		NP8-02X/315	●		—	2
		NP8-02X/316	●		—	2
	NP8-11X/311	NP8-11X/311	○	↙	1	1
		NP8-11X/312	●		1	1
		NP8-11X/313	●		1	1
		NP8-11X/314	●		1	1
NP8-11X/315		●	1		1	
NP8-11X/316		●	1		1	


Dimensiones (mm)



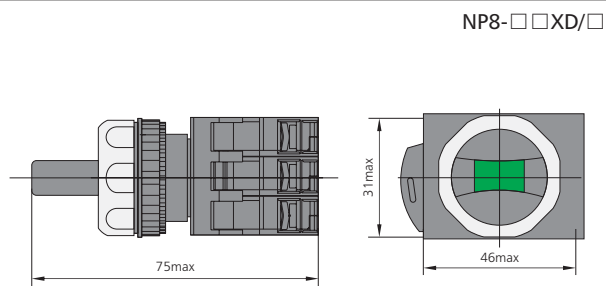
★ Selectores luminosos - 2 posiciones

NP8-□□ XD/□	Referencia	Color	Posiciones	↙	↘	
	NP8-10XD/211	○	↙	1	—	
	NP8-10XD/213	●		1	—	
	NP8-10XD/214	●		1	—	
	NP8-10XD/215	●		1	—	
	NP8-10XD/216	●		1	—	
	NP8-01XD/211	○		—	1	
	NP8-01XD/213	●		—	1	
	NP8-01XD/214	●		—	1	
	NP8-01XD/215	●		—	1	
	NP8-01XD/216	●		—	1	
	NP8-20XD/211	○	↙	2	—	
	NP8-20XD/213	●		2	—	
	NP8-20XD/214	●		2	—	
	NP8-20XD/215	●		2	—	
	NP8-20XD/216	●		2	—	
	NP8-02XD/211	○		—	2	
	NP8-02XD/213	●		—	2	
	NP8-02XD/214	●		—	2	
	NP8-02XD/215	●		—	2	
	NP8-02XD/216	●		—	2	
	NP8-11XD/211	○		1	1	
	NP8-11XD/213	●		1	1	
	NP8-11XD/214	●		1	1	
	NP8-11XD/215	●		1	1	
	NP8-11XD/216	●		1	1	

★ Selectores luminosos - 3 posiciones

NP8-□□ XD/□	Referencia	Color	Posiciones	↙	↘	
	NP8-20XD/311	○	↙	2	—	
	NP8-20XD/313	●		2	—	
	NP8-20XD/314	●		2	—	
	NP8-20XD/315	●		2	—	
	NP8-20XD/316	●		2	—	
	NP8-02XD/311	○		—	2	
	NP8-02XD/313	●		—	2	
	NP8-02XD/314	●		—	2	
	NP8-02XD/315	●		—	2	
	NP8-02XD/316	●		—	2	
	NP8-11XD/311	○		1	1	
	NP8-11XD/313	●		1	1	
	NP8-11XD/314	●		1	1	
	NP8-11XD/315	●		1	1	
	NP8-11XD/316	●		1	1	


Dimensiones (mm)



★ Selectores con llave - 2 posiciones

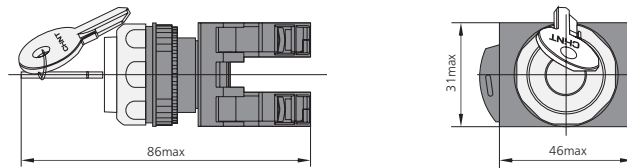
NP8-□□ /Y□	Referencia	Posiciones	↙	↘
	NP8-10Y/21	↙	1	—
	NP8-01Y/21		—	1
	NP8-20Y/21	↙	2	—
	NP8-02Y/21		—	2
	NP8-11Y/21		1	1

★ Selectores con llave - 3 posiciones

NP8-□□ /Y□	Referencia	Posiciones	↙	↘
	NP8-20Y/31	↙	2	—
	NP8-02Y/31		—	2
	NP8-11Y/31		1	1


Dimensiones (mm)


NP8-□□Y/□




Cajas de plástico para la serie NP8

★ Cajas

NPH1-10	Referencia	Especificaciones
	NPH1-10	1 Hole

NPH1-20	Referencia	Especificaciones
	NPH1-20	1 Hole

NPH1-10	Referencia	Especificaciones
	NPH1-10	1 Hole