

NP8 Series Pushbuttons

1. General

Electric ratings: AC50/60Hz, AC415V/DC250V;

Degree of protection: IP65 Standard: IEC/EN60947-5-1

2. Operating conditions

- 2.1 Ambient temperature is -5° C $\sim +40^{\circ}$ 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 $+20\,^{\circ}\text{C}$, the relatice humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steeps should be taken.
- 2.4 Pollution grade: 3
- 2.5 Installation category: II
- 2.6 Tightening torque is $0.8 \sim 1.2 \, \text{N} \cdot \text{m}$ for the cable terminals. Cross section of the cable connection is 0.5~2.5mm², and 8mm conductor length is needed.

3. Technical data

3.1 Refer to table below for rated values related to utilization category.

AC-15	Rated operational voltage,V	415	240	120
	Rated operational current,A	1.9	3	6
DC-13	Rated operational voltage,V	250	125	-
	Rated operational current,A	0.27	0.55	-

3.2 Refer to table 3

for basic parameters of illuminated pushbutton.

Basic parameters	LED lamp			
Rated operational current	≤20mA			
Rated operational voltage	AC/DC 6V,12V,24V,36V,AC110V~230V			

3.3 Durability

Mechanical life:

Flush, mushroom-headed and illuminated version:

3×106 operation circles.

Rotary, double-headed, self-locking and keyed version:

1×10⁵ operation circles.

Electric life:

Flush, mushroom-headed and illuminated version:

AC 1×10⁶ / DC 2.5×10⁵ operation circles.

Rotary, double-headed, self-locking and key type button:

1×10⁵ operation circles.

3.4 Short-circuit protective device: gG16

4. Features

- 4.1 Operating mechanism features bright colors and streamline surface.
- 4.2 Modular design.

Operating system, adapter, contact system and illuminating system can be freely combined to realize different functions.

- 4.3 Convenient for mounting and dismounting thanks to snap-on structure.
- 4.4 Automatic locking function of the central adaptor makes it convenient and reliable for mounting and connection.
- 4.5 The terminal screw is available with anti-loosing mechanism to protect it against loosening from the body during transportation.
- 4.6 LED lamp with high brightness and long service life ensures reliable indication.









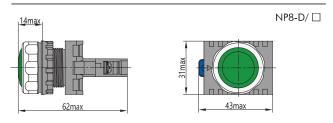
★ Light

NP8-D/□	Lamp-Voltage	Model	Color
		NP8-D/1	
	LED: AC/AD 6V,	NP8-D/3	
1	12V, 24V, 36V;	NP8-D/4	
F 2	AC110V ~ 230V	NP8-D/5	
		NP8-D/6	

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

NP8- □□ X /21 □	Metal	Color	Selector Switches	{	ł
CONT ON APP OF THE PROPERTY OF	NP8-10X/211	0		1	-
	NP8-10X/212			1	-
	NP8-10X/213			1	-
	NP8-10X/214			1	-
	NP8-10X/215			1	-
	NP8-10X/216			1	-
	NP8-01X/211			-	1
	NP8-01X/212			-	1
	NP8-01X/213			-	1
17	NP8-01X/214			-	1
	NP8-01X/215			-	1
	NP8-01X/216			-	1
NP8- □□ X /21 □	Metal	Color	Selector Switches	{	ł
	NP8-10X/221			1	-
	NP8-10X/222			1	-
	NP8-10X/223			1	-
	NP8-10X/224			1	-
	NP8-10X/225			1	-
	NP8-10X/226			1	-
-	NP8-01X/221			-	1
N CONT	NP8-01X/222		٦, ,	-	1
NPB (III) AC 134 15011 BA 200010 BA 20010 BA CO 12 2000 BB A	NP8-01X/223			-	1
17 11-2000 12	NP8-01X/224			-	1
	NP8-01X/225			-	1
	NP8-01X/226			-	1
NP8- □□ X /31 □	Metal	Color	Selector Switches	{	ł
	NP8-20X/211			2	-
	NP8-20X/211 NP8-20X/212	0		2	-
		0			
	NP8-20X/212			2	-
	NP8-20X/212 NP8-20X/213			2	-
	NP8-20X/212 NP8-20X/213 NP8-20X/214			2 2 2	-
	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215			2 2 2 2	-
	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216			2 2 2 2 2	-
	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211			2 2 2 2 2 2	2
	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/212			2 2 2 2 2 2 -	- - - - - 2 2
CINT DIP OF THE PROPERTY OF TH	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/212 NP8-02X/213			2 2 2 2 2 - -	- - - - 2 2
CENT — Not — N	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/212 NP8-02X/213 NP8-02X/214			2 2 2 2 2 - -	- - - - 2 2 2 2
CENT © RPI © RPI OF TOTAL CONTROL CO	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/212 NP8-02X/213 NP8-02X/214 NP8-02X/214			2 2 2 2 2 - -	
CHIT @ RPS @ Reserved	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/211 NP8-02X/213 NP8-02X/214 NP8-02X/215 NP8-02X/216			2 2 2 2 2 - - -	2 2 2 2 2 2 2 2 2 2
CONT. RPS © RPS (C) RPS (C)	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/216 NP8-02X/211 NP8-02X/212 NP8-02X/213 NP8-02X/214 NP8-02X/215 NP8-02X/216 NP8-11X/211			2 2 2 2 2 - - - - 1	2 2 2 2 2 2 2 1 1
CONT. RPS © RPS © CONT. CO	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/214 NP8-20X/215 NP8-02X/211 NP8-02X/211 NP8-02X/212 NP8-02X/214 NP8-02X/215 NP8-02X/216 NP8-11X/211 NP8-11X/211			2 2 2 2 2 - - - - 1	
CONT. RPI CO	NP8-20X/212 NP8-20X/213 NP8-20X/214 NP8-20X/215 NP8-20X/215 NP8-02X/211 NP8-02X/211 NP8-02X/211 NP8-02X/213 NP8-02X/214 NP8-02X/215 NP8-02X/216 NP8-11X/211 NP8-11X/211 NP8-11X/212			2 2 2 2 2 1 1 1 1 1 1	

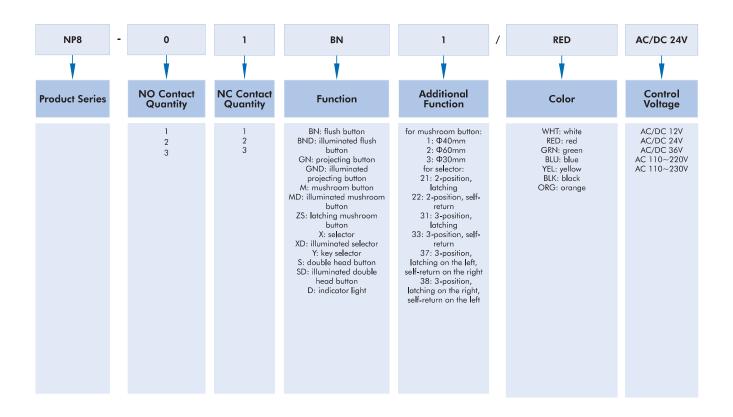
Dimension(mm)



NP8- □□ X22/ □	Metal	Color	Selector Switches	{	ł
	NP8-20X/221			2	-
	NP8-20X/222			2	-
	NP8-20X/223			2	-
	NP8-20X/224			2	-
	NP8-20X/225			2	-
	NP8-20X/226			2	-
	NP8-02X/221			-	2
	NP8-02X/222			-	2
	NP8-02X/223			-	2
I	NP8-02X/224			-	2
NP8 ©	NP8-02X/225			-	2
OFF 100ES 1-100EG Y2	NP8-02X/226			-	2
	NP8-11X/221			1	1
	NP8-11X/222			1	1
	NP8-11X/223			1	1
	NP8-11X/224			1	1
	NP8-11X/225			1	1
	NP8-11X/226			1	1

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

NP8- □□ X /31 □	Metal	Color	Selector Switches	}	ł
	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			-	2
	NP8-02X/312			-	2
1000	NP8-02X/313			-	2
	NP8-02X/314			-	2
CHINT W	NP8-02X/315		7 \ 1 /	-	2
AC AS ABOVE AS A SHORT AS VIVE AS OCCUPANT AS A SHORT A	NP8-02X/316			-	2
17	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



Туре	Color or Function	Contact	Model Description	Code
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-220V LED	2 NO	NP8-20SD GRN AC 110V-220V	667349
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC 110V-230V LED	2 NO	NP8-20SD GRN AC 110V-230V	667625
Illuminated double headed button	1 green and 1 red flush button, 1 green pilot light, AC/DC 24V LED	2 NO	NP8-20SD GRN AC/DC 24V	667343
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-220V LED	2 NO	NP8-20SD BLU AC 110V-220V	667348
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC 110V-230V LED	2 NO	NP8-20SD BLU AC 110V-230V	667624
Illuminated double headed button	1 green and 1 red flush button, 1 blue pilot light, AC/DC 24V LED	2 NO	NP8-20SD BLU AC/DC 24V	667342
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-220V LED	2 NO	NP8-20SD YEL AC 110V-220V	667347
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC 110V-230V LED	2 NO	NP8-20SD YEL AC 110V-230V	667623
Illuminated double headed button	1 green and 1 red flush button, 1 yellow pilot light, AC/DC 24V LED	2 NO	NP8-20SD YEL AC/DC 24V	667341
Selector	White, 2-position, latching	2 NO	NP8-20X/21 WHT	578933
Selector	Red, 2-position, latching	2 NO	NP8-20X/21 RED	667225
Selector	Green, 2-position, latching	2 NO	NP8-20X/21 GRN	667224
Selector	Yellow, 2-position, latching	2 NO	NP8-20X/21 YEL	667721
Selector	Black, 2-position, latching	2 NO	NP8-20X/21 BLK	578937
Selector	White, 2-position, self-return	2 NO	NP8-20X/22 WHT	578786
Selector	Red, 2-position, self-return	2 NO	NP8-20X/22 RED	578747
Selector	Green, 2-position, self-return	2 NO	NP8-20X/22 GRN	578746
Selector	Blue, 2-position, self-return	2 NO	NP8-20X/22 BLU	578789
Selector	Yellow, 2-position, self-return	2 NO	NP8-20X/22 YEL	578788
Selector	Black, 2-position, self-return	2 NO	NP8-20X/22 BLK	578787
Selector	White, 3-position, latching	2 NO	NP8-20X/31 WHT	578934
Selector	Red, 3-position, latching	2 NO	NP8-20X/31 RED	667229
Selector	Green, 3-position, latching	2 NO	NP8-20X/31 GRN	667228
Selector	Blue, 3-position, latching	2 NO	NP8-20X/31 BLU	578939
Selector	Yellow, 3-position, latching	2 NO	NP8-20X/31 YEL	667368
Selector	Black, 3-position, latching	2 NO	NP8-20X/31 BLK	578131
Selector	White, 3-position, self-return	2 NO	NP8-20X/33 WHT	578851
Selector	Red, 3-position, self-return	2 NO	NP8-20X/33 RED	578763
Selector	Green, 3-position, self-return	2 NO	NP8-20X/33 GRN	578760
Selector		2 NO	NP8-20X/33 BLU	578857
Selector	Blue, 3-position, self-return Yellow, 3-position, self-return	2 NO	NP8-20X/33 YEL	578854
Selector	Black, 3-position, self-return	2 NO	NP8-20X/33 BLK	578767
Selector	White, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 WHT	578852
Selector	Red, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 RED	578764
Selector	Green, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 GRN	578761
Selector	Blue, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 BLU	578858
Selector	Yellow, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 YEL	578855
Selector	Black, 3-position, latching on the left, self-return on the right	2 NO	NP8-20X/37 BLK	578768
Selector 	White, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 WHT	578853
Selector	Red, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 RED	578765
Selector	Green, 3-position, latching on the right, self-return on the left		NP8-20X/38 GRN	578762
Selector	Blue, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 BLU	578859
Selector	Yellow, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 YEL	578856
Selector	Black, 3-position, latching on the right, self-return on the left	2 NO	NP8-20X/38 BLK	578769