



## NP3 Pushbutton

### 1. General

Electric ratings: AC50/60Hz, AC380V/DC220V;  
Degree of protection: IP65;  
Standard: IEC/EN60947-5-1



### 2. Operating conditions

- 2.1 Ambient temperature is  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , the average temperature during 24 hours couldn't exceed  $+35^{\circ}\text{C}$ .
- 2.2 Altitude:  $\leq 2000\text{m}$ .
- 2.3 Atmosphere condition:  
Relative humidity of the atmosphere couldn't exceed 50% when the highest temperature is  $+40^{\circ}\text{C}$ ; much higher relative humidity is allowable under the condition of lower temperature, for example, when the temperature reaches  $+20^{\circ}\text{C}$ , the relative humidity is up to 90%. As for dews, which contingently appear due to change of temperature, special steps should be taken.
- 2.4 Pollution degree: 3
- 2.5 Overvoltage category: II

### 3. Feature

With good capability of dust-proof and rain-proof application; ensures reliable operation of circuit and equipments.

### 4. Technical data

- 4.1 Rated insulation voltage  $U_i$ : 380V
- 4.2 Conventional thermal current  $I_{th}$ : 10A

Rated operational voltage $U_e$ (V)		380	220	110
Rated operational current $I_e$ (A)	AC-15	2.5	4.5	-
	DC-13	-	0.3	0.6

- 4.3 Durability  
Electric life: instantaneous: AC  $5 \times 10^5$  operation circles, DC  $2 \times 10^5$  operation circles;  
other type:  $1 \times 10^5$  operation circles;  
Mechanical life: instantaneous:  $1 \times 10^6$  operation circles,  
Illuminated button:  $3 \times 10^5$  operation circles;  
other type:  $1 \times 10^5$  operation circles;
- 4.4 Contact  
Contact resistance  $\leq 50\text{m}\Omega$  (initial value)
- 4.5 Short-circuit protective device: NT00-16 16A



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NP3-□A  
with power on & off  
(mechanical interlock)  
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NP3-□B  
with power on & off  
(electrical interlock)  
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NP3-□K  
with starting and  
emergency stop button  
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**5. NP3 series indicator**

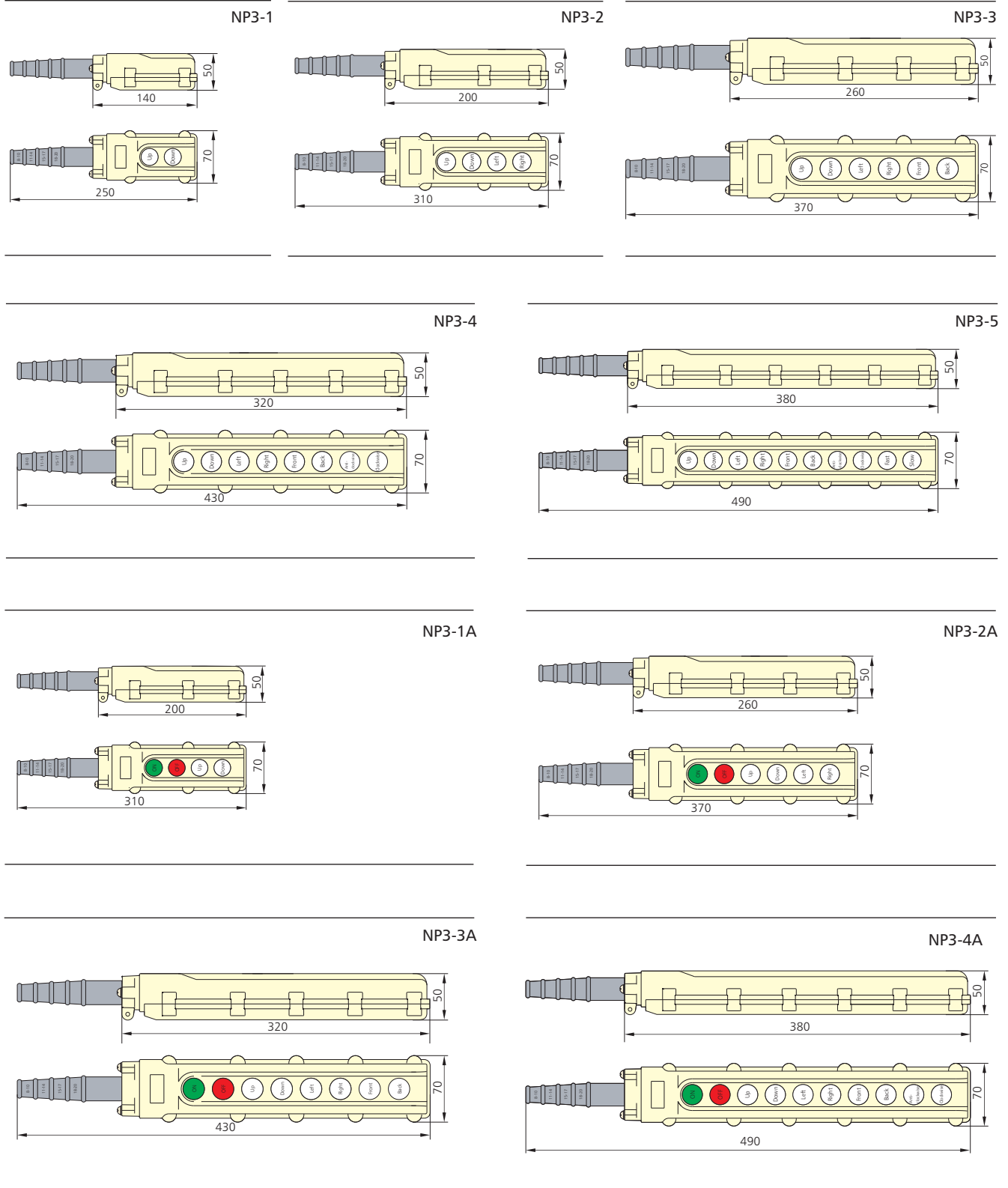
★ Momentary Flush button

NP3 □	Model	Function
	NP3-1	UP/DOWN
	NP3-2	UP/DOWN, LEFT/RIGHT
	NP3-3	UP/DOWN, LEFT/RIGHT, FRONT/BACT
	NP3-4	UP/DOWN, LEFT/RIGHT, FRONT/BACT, Anti-clockwise/Clockwisw
	NP3-5	UP/DOWN, LEFT/RIGHT, FRONT/BACT, Anti-clockwise/Clockwisw, FAST/SLOW

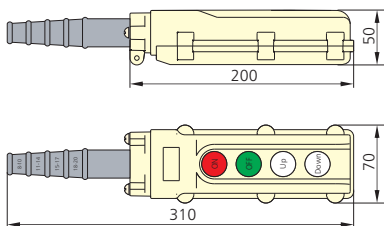
★ Momentary Flush button With Power Switching  
 ("start" button Maintained)

NP3 □ A	Model	Function
	NP3-1A	ON/OFF, UP/DOWN
	NP3-2A	ON/OFF, UP/DOWN, LEFT/RIGHT
	NP3-3A	ON/OFF, UP/DOWN, LEFT/RIGHT, FRONT/BACK
	NP3-4A	UP/DOWN, LEFT/RIGHT, FRONT/BACT, Anti-clockwise/Clockwisw

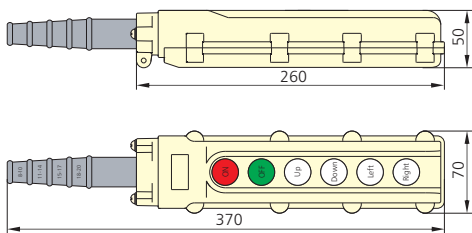
Dimension (mm)



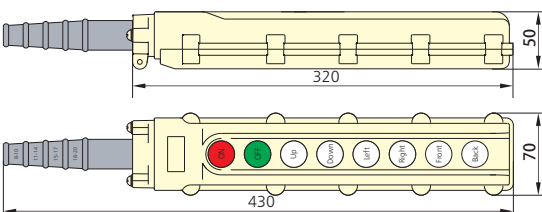
NP3-1B



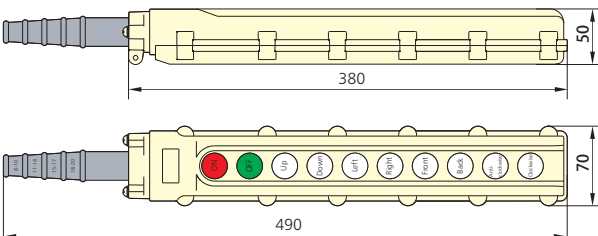
NP3-2B







NP3-3B











NP3-4B



★ Momentary Flush button With Power Switching

NP3 □ B	Model	Function
	NP3-1B	START, STOP , UP/DOWN
	NP3-2B	START, STOP , UP/DOWN, LEFT/RIGHT
	NP3-3B	START, STOP , UP/DOWN, LEFT/RIGHT, FRONT/BACK
	NP3-4B	START, STOP , UP/DOWN, LEFT/RIGHT, FRONT/BAC, Anti-Clockwise

★ Momentary Flush button With Power Switching  
("start" button Maintained)

NP3 □ K	Model	Function
	NP3-1K	 START, UP/DOWN
	NP3-2K	 START, UP/DOWN, LEFT/RIGHT
	NP3-3K	 START, UP/DOWN, LEFT/RIGHT, FRONT/BACK
	NP3-4K	 START, UP/DOWN, LEFT/RIGHT, FRONT/BAC, Anti-Clockwise

★The electrical appliance diagrams of Np3

