



## NP3 Pushbutton

### 1. General information

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

### 2. Working & mounting 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

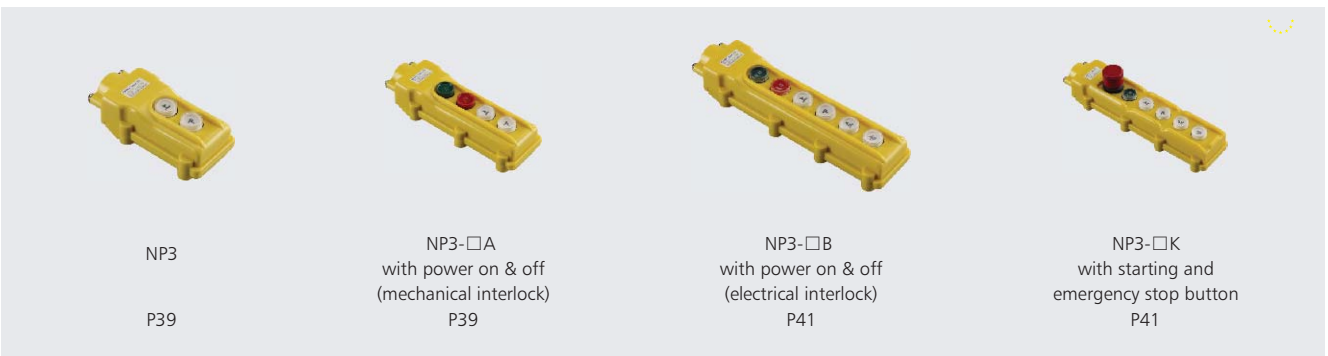
Rated operational voltage $U_e$ (V)		380	220	110
Rated operational current $I_e$ (A)	AC-15	2.5	4.5	-
	DC-13	-	0.3	0.6

#### 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)



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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**

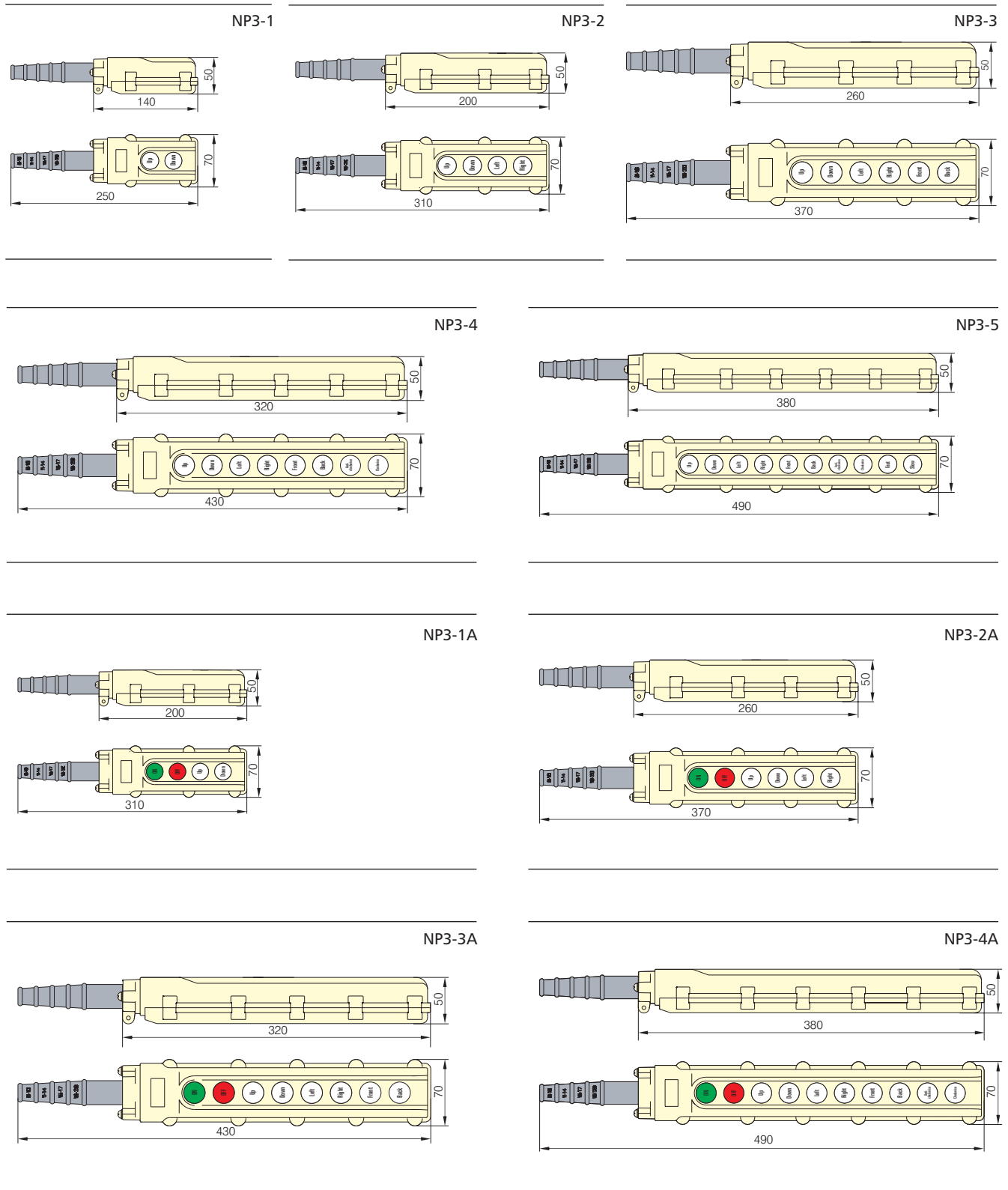
★ Momentary Flush button

NP3 □	Model	Function
	NP3-1	UP
		DOWN
	NP3-2	UP/LEFT
		DOWN/RIGHT
	NP3-3	UP/LEFT/FRONT
		DOWN/RIGHT/BACK
	NP3-4	UP/LEFT/FRONT/Anti-Clockwise
		DOWN/RIGHT/BACK/Clockwise
	NP3-5	UP/LEFT/FRONT/Anti-Clockwise/FAST
		DOWN/RIGHT/BACK/Clockwise/SLOW





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

NP3 □ A	Model	Function
	NP3-1A	(ON/OFF) UP
		(ON/OFF) DOWN
	NP3-2A	(ON/OFF) UP/LEFT
		(ON/OFF) DOWN/RIGHT
	NP3-3A	(ON/OFF) UP/LEFT/FRONT
		(ON/OFF) DOWN/RIGHT/BACK
	NP3-4A	(ON/OFF) UP/LEFT/FRONT/Anti-Clockwise
		(ON/OFF) DOWN/RIGHT/BACK/Clockwise





Dimension (mm)



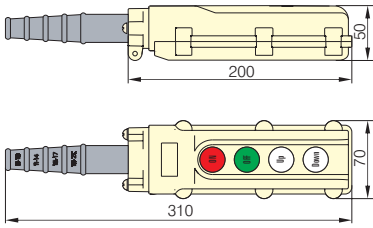
★ Momentary Flush button With Power Switching

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

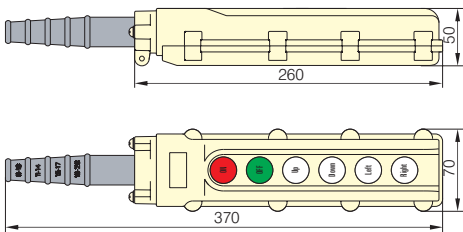
★ Momentary Flush button With Power Switching  
("start" button Maintained)

NP3 □ K	Model	Function
	NP3-1K	(ON/OFF) UP
		(ON/OFF) DOWN
	NP3-2K	(ON/OFF) UP/LEFT
		(ON/OFF) DOWN/RIGHT
	NP3-3K	(ON/OFF) UP/LEFT/FRONT
		(ON/OFF) DOWN/RIGHT/BACK
	NP3-4K	(ON/OFF) UP/LEFT/FRONT/Anti-Clockwise
		(ON/OFF) DOWN/RIGHT/BACK/Clockwise

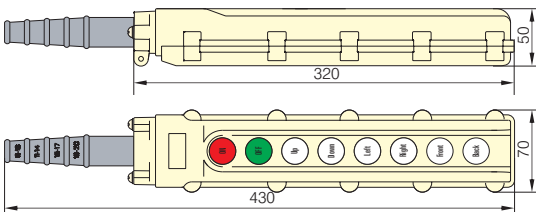
NP3-1B



NP3-2B



NP3-3B



NP3-4B

