

Change Notice

UB2 Series

Changes for Super Bright White LEDs in UB2 Series Pushbuttons & Indicators

Type of Change:

- ☒ Engineering ☐ Part Number
☒ Product ☒ Appearance

The Super Bright White LEDs for UB2 Series pushbutton switches and indicators will be changing. Both standard and custom pushbuttons and indicators are included in the revision. The change will effect electrical specifications, which are compared below. It will also effect the LED terminal dimensions and terminal plating, displayed on page 2. Part numbers for effected standard switches and indicators are shown on page 3.



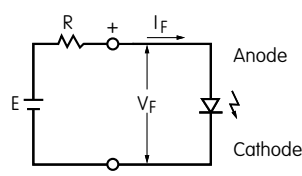
UB2 Series with Super Bright White LEDs will Undergo Changes

CHANGES TO SPECIFICATIONS FOR SUPER BRIGHT WHITE LED

The electrical specifications shown are determined at a basic temperature of 25°C. Polarity marks are on bottom of switch. The LED is an integral part of the switch and not available separately.		Super Bright LEDs are Electrostatic Sensitive	
		Before Change 6B	After Change 6B
Maximum Forward Current	I_{FM}	20mA	20mA
Typical Forward Current	I_F	15mA	15mA
Forward Voltage	V_F	3.3V	3.1V
		($I_F = 15mA$)	($I_F = 15mA$)
Maximum Reverse Voltage	V_{RM}	5V	5V
Current Reduction Rate Above 25°C	ΔI_F	0.25mA/°C	0.25mA/°C
Ambient Temperature Range		-25°C ~ +50°C	-25°C ~ +50°C

Notes

- The LED circuit is isolated and requires an external power source.
- For best results and safe use of the LEDs, the supply voltage should be more than the LED forward voltage. In addition, an appropriately valued ballast resistor should be used. Without the ballast resistor, the LED will be damaged or destroyed. The resistor value can be calculated by using the formula shown here.
- Contact information is below if more details are needed.



$$R = \frac{E - V_F}{I_F}$$

Where: R = Resistor Value (Ohms)
 E = Source Voltage (V)
 V_F = Forward Voltage (V)
 I_F = Forward Current (A)

Effective Date

Changes for UB2 Series Pushbuttons and Indicators with Super Bright White LEDs will be effective April 2026. However, the date may be subject to change depending on inventory of the products.

NKK SWITCHES HONG KONG CO., LTD.

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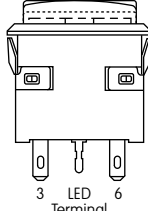
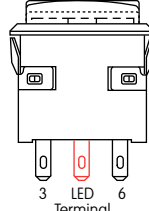
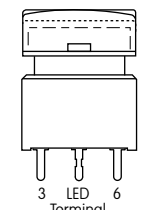
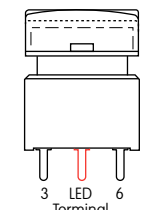
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CHANGES TO TERMINALS & TERMINAL PLATING		
Model	Before Change	After Change
Snap-in Mount with Solder Lug Terminals Code 01	 	 
PC Mount with Straight PC Terminals Code 03	 	 
Terminal Plating	Tin	Silver

Notes Illustrations represent UB2 Series double pole illuminated pushbuttons. Single poles switches do not have terminals 4, 5 and 6. UB2 Series indicators do not have terminals 1 through 6. Dimensions are in metric/inch.
 There are no changes to the switches' mechanical durability.

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EFFECTED STANDARD PART NUMBERS FOR UB2 SWITCHES			FOR UB2 INDICATORS
UB215KKG016B	UB216KKW016B-2B	UB225SKW036B	UB201KW036B
UB215KKG016B-1JB	UB216KKW016B-3JB	UB225SKW036B-1JB	UB201KW036B-1JB
UB215KKG016B-2B	UB216SKG036B	UB225SKW036B-2B	UB201KW036B-2B
UB215KKG016B-3JB	UB216SKG036B-1JB	UB225SKW036B-3JB	UB201KW036B-3JB
UB215KKW016B	UB216SKG036B-2B	UB226KKG016B	UB204KW036B
UB215KKW016B-1JB	UB216SKG036B-3JB	UB226KKG016B-1JB	UB204KW036B-1JB
UB215KKW016B-2B	UB216SKW036B	UB226KKG016B-2B	UB204KW036B-2B
UB215KKW016B-3JB	UB216SKW036B-1JB	UB226KKG016B-3JB	UB204KW036B-3JB
UB215SKG036B	UB216SKW036B-2B	UB226KKW016B	
UB215SKG036B-1JB	UB216SKW036B-3JB	UB226KKW016B-1JB	
UB215SKG036B-2B	UB225KKG016B	UB226KKW016B-2B	
UB215SKG036B-3JB	UB225KKG016B-1JB	UB226KKW016B-3JB	
UB215SKW036B	UB225KKG016B-2B	UB226SKG036B	
UB215SKW036B-1JB	UB225KKG016B-3JB	UB226SKG036B-1JB	
UB215SKW036B-2B	UB225KKW016B	UB226SKG036B-2B	
UB215SKW036B-3JB	UB225KKW016B-1JB	UB226SKG036B-3JB	
UB216KKG016B	UB225KKW016B-2B	UB226SKW036B	
UB216KKG016B-1JB	UB225KKW016B-3JB	UB226SKW036B-1JB	
UB216KKG016B-2B	UB225SKG036B	UB226SKW036B-2B	
UB216KKG016B-3JB	UB225SKG036B-1JB	UB226SKW036B-3JB	
UB216KKW016B	UB225SKG036B-2B	—	
UB216KKW016B-1JB	UB225SKG036B-3JB	—	

Effected part numbers include standard part numbers combined with any cap type or color.
Effected part numbers also include standard part numbers with UL or cULus approvals.

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