Contact No. 385 Change Notice

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

Type of Change:

Description Engineering

Product

Appearance

Part Number

The Super Bright White LEDs for UB 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 with the new specifications. Part numbers for effected standard switches and indicators are shown on the following page.

UB Series with
Super Bright White LED

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	2	Super Bright LEDs are Electrostatic Sensitive	ATTENTION ELECTROSTATIC SENSITIVE DEVICES	
switch. The LED is an integral part of the switch and not available separately.	(+)O <u>()</u> O(-)	Before Change	After Change 6B	
Maximum Forward Current	I _{FM}	20mA	20mA	
Typical Forward Current	l _F	15mA	15mA	
Forward Voltage	V _F	3.3V	3.1V	
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	

CHANGES TO SPECIFICATIONS FOR SUDER REIGHT WHITE I FR

Notes

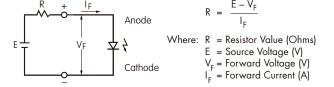
- The LED circuit is isolated and requires an external power source.
- For best results and safe use of the LEDs, the supply voltage should be more than the LED forward voltage. In addition, an appropriately valued ballast resistor should be used. Without the ballast resistor, the LED will be damaged or destroyed. The resistor value can be calculated by using the formula shown here.
- · There are no changes to the switches' external dimensions.
- · Contact information is below if more details are needed.

Effective Date

Changes for UB Series Illuminated Pushbuttons and Indicators with Super Bright White LEDs will be effective March 2022.

NKK SWITCHES CO., LTD.

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UB Series

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UB Series

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

EFFE	CTED STANDARD PART NUMBERS FOR SWI	ICHES
UB15SKW036B-JB	UB25RKG036B-AB	UB26NKG016B-JB
UB15RKW036B-JB	UB26SKW036B-AB	UB26NBKG016B-JB
UB15SKG036B-JB	UB26RKW036B-AB	UB15KKW016B-AB
UB15RKG036B-JB	UB26SKG036B-AB	UB15NKW016B-AB
UB16SKW036B-JB	UB26RKG036B-AB	UB15NBKW016B-AB
UB16RKW036B-JB	UB15KKW016B-JB	UB15KKG016B-AB
UB16SKG036B-JB	UB15NKW016B-JB	UB15NKG016B-AB
UB16RKG036B-JB	UB15NBKW016B-JB	UB15NBKG016B-AE
UB25SKW036B-JB	UB15KKG016B-JB	UB16KKW016B-AB
UB25RKW036B-JB	UB15NKG016B-JB	UB16NKW016B-AB
UB25SKG036B-JB	UB15NBKG016B-JB	UB16NBKW016B-AB
UB25RKG036B-JB	UB16KKW016B-JB	UB16KKG016B-AB
UB26SKW036B-JB	UB16NKW016B-JB	UB16NKG016B-AB
UB26RKW036B-JB	UB16NBKW016B-JB	UB16NBKG016B-AE
UB26SKG036B-JB	UB16KKG016B-JB	UB25KKW016B-AB
UB26RKG036B-JB	UB16NKG016B-JB UB25NKW016B	
UB15SKW036B-AB	UB16NBKG016B-JB UB25NBKW01	
UB15RKW036B-AB	UB25KKW016B-JB	UB25KKG016B-AB
UB15SKG036B-AB	UB25NKW016B-JB	UB25NKG016B-AB
UB15RKG036B-AB	UB25NBKW016B-JB	UB25NBKG016B-AE
UB16SKW036B-AB	UB25KKG016B-JB	UB26KKW016B-AB
UB16RKW036B-AB	UB25NKG016B-JB	UB26NKW016B-AB
UB16SKG036B-AB	UB25NBKG016B-JB	UB26NBKW016B-AB
UB16RKG036B-AB	UB26KKW016B-JB UB26KKG	
UB25SKW036B-AB	UB26NKW016B-JB	UB26NKG016B-AB
UB25RKW036B-AB	UB26NBKW016B-JB	UB26NBKG016B-AE
UB25SKG036B-AB	UB26KKG016B-JB	

EFFECTED STANDARD PART NUMBERS FOR INDICATORS					
UB01KW036B-JB	UB04KW016B-JB	UB04KW016B-AB			
UB03KW036B-JB	UB06KW016B-JB	UB06KW016B-AB			
UB01KW036B-AB	UB06BKW016B-JB	UB06BKW016B-AB			
UB03KW036B-AB					

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