Change Notice

Changes to LEDs for MS & SS Illuminated Slides

Type of Change:

✓ Engineering✓ Part Number✓ Product✓ Appearance

The red, yellow and green LEDs for MS and SS Series illuminated slide switches will be changing. The revision will effect the electrical specifications for the yellow and green LEDs, as shown on the following table.

Standard and custom MS and SS illuminated switches are included in the change, and part numbers for effected standard models are shown on page 2.

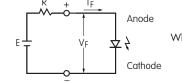


MS and SS Illuminated Slides will have LED Revisions.

CHANGES TO LED SPECIFICATIONS FOR MS & SS ILLUMINATED SERIES									
(+)O—__O (-)		Before Change			After Change				
The electrical specifications shown are determined at a basic temperature of 25°C. The LED is an integral part of the switch		C	E	F	C	E	F		
and not available separately.		Red	Yellow	Green	Red	Yellow	Green		
Maximum Forward Current	I _{FM}	30mA	30mA	25mA	30mA	30mA	30mA		
Typical Forward Current	I _F	16mA	16mA	16mA	16mA	16mA	16mA		
Forward Voltage	\/	1.98V	2.06V	2.16V	1.98V	2.05V	1.95V		
Forward voltage	V_{F}	I _F = 16mA							
Maximum Reverse Voltage	/ _{RM}	5V	5V	5V	5V	5V	5V		
Current Reduction Rate Above 25°C	ΔI _F	0.40mA/°C	0.42mA/°C	0.33mA/°C	0.40mA/°C	0.40mA/°C	0.40mA/°C		
Ambient Temperature Range		−15° ~ +60°C		−15° ~ +60°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.



 $R = \frac{\cdot}{I_F}$ Where: R = Resistor Value (Ohms) E = Source Voltage (V)

V_F = Forward Voltage (V)

= Forward Current (A)

- There are no changes to the switches' external dimensions.
- Contact information is below if more details are needed.

Effective Date

Changes to LED specifications for MS and SS Series illuminated slides will be effective June 2022.



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Changes to LEDs for MS & SS Illuminated Slides

Effected Standard Part Numbers for MS Illuminated Slides						
MS12LNW03C	MS12LFW01C	MS13LNW03C	MS13LFW01C			
MS12LNW03E	MS12LFW01E	MS13LNW03E	MS13LFW01E			
MS12LNW03F	MS12LFW01F	MS13LNW03F	MS13LFW01F			

Effected Standard Part Numbers for SS Illuminated Slides							
SS12SDP2LC	SS12SDH2LC	SS22SDP2LC	SS22SDH2LC				
SS12SDP2LE	SS12SDH2LE	SS22SDP2LE	SS22SDH2LE				
SS12SDP2LF	SS12SDH2LF	SS22SDP2LF	SS22SDH2LF				

