

# ALCOSWITCH ILLUMINATED TACTILE SWITCH SERIES

## With Tactile Cap Series

The new ALCOSWITCH Illuminated Tactile switch series is designed for easy operation and reliability in a variety of board mounted applications. The tactile switch includes an LED indicator, available in low and high intensity versions, and 8 unique color options. Rated up to 500,000 electrical lifecycles, the Illuminated Tactile series is designed to last. We offer the translucent caps in two different styles and in five different colors.



## Applications

The illuminated tactile switch is well suited for designs requiring illuminated interfaces via pushbutton style switches including:

- Industrial equipment
- Building Automation / HVAC equipment
- Instrumentation
- Communication equipment
- Control equipment

## Electrical

- Electrical life (pushbutton only):
  - 100/160 GF (grams-force): 500,000 cycles
  - 260/520 GF (grams-force): 200,000 cycles

## Mechanical

- Number of poles: 1
- Switch Functions: OFF-(ON)
- Contact Rating: 50 mA @ 12 VDC

## Product Specifications

- RoHS Directive 2002/95/E compliant
- REACH Compliant and Pb Free

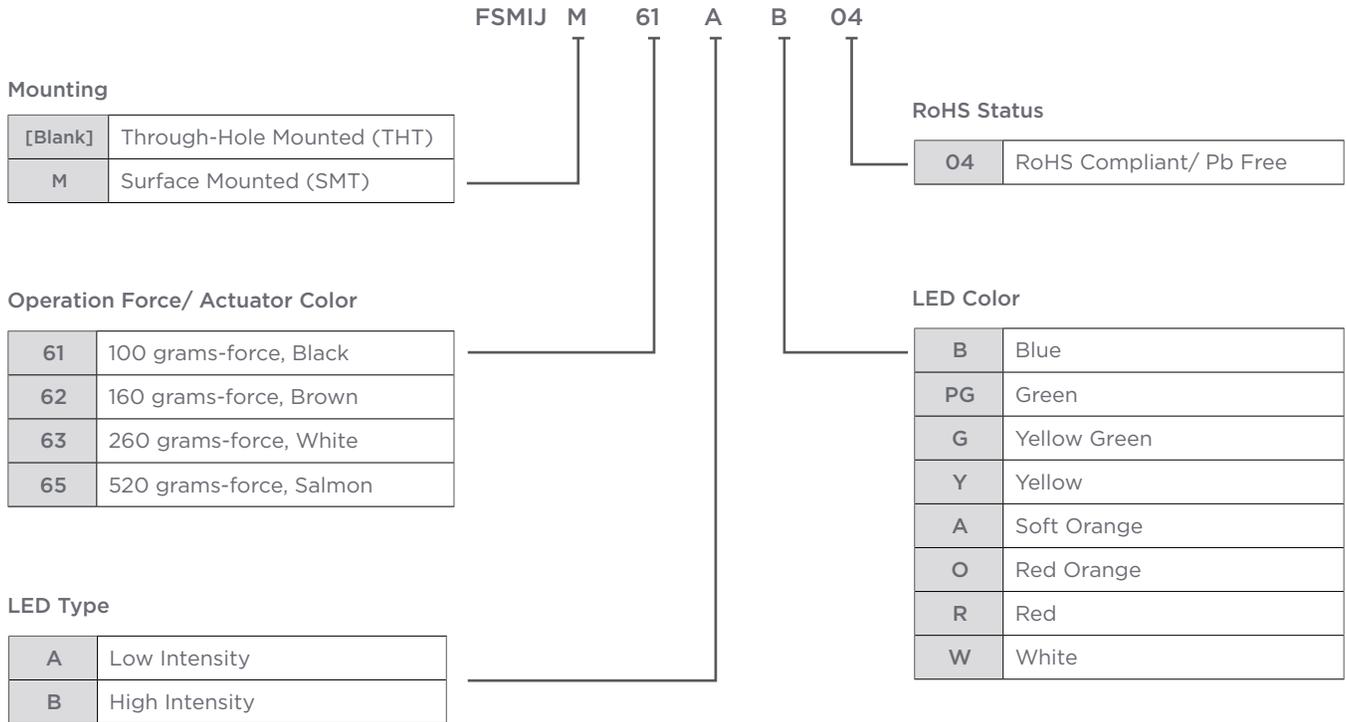
## Materials

- Contacts: Stainless Steel, Silver plated
- Actuator: High temperature Thermoplastic (UL94-V0)
- Terminals: Brass, Silver Plated
- Case: High temperature Thermoplastic (UL94-V0)

## Key Benefits

- Durability with switches rated up to 500,000 electrical life cycles
- Achieve design flexibility with low or high intensity LED indicators available in 8 color options
- Save board space with integrated super-bright LED
- Faster board assembly with reflow or wave solder compatible designs
- Enable ease of use with tactile and audible feedback
- Designed to fit your specific application with a wide range of actuation forces available
- Caps enhance the size of the illumination
- Caps offer an easy type of actuation of the existing switch

Product Key



For additional product information, including drawings, customer viewable models, and distributor inventory, please visit [TE.com](http://TE.com). Use the Product Key to determine the desired part configuration, or reference the below Part Selection table.

Product Selection Information

| Descriptive PN | Body Style                | LED Intensity | LED color    | TE PN                       |
|----------------|---------------------------|---------------|--------------|-----------------------------|
| FSMIJ61AB04    | Illuminated 6x6 Tact, THT | LI            | Blue         | <a href="#">2213818-1</a>   |
| FSMIJ62AG04    | Illuminated 6x6 Tact, THT | LI            | Yellow Green | <a href="#">1-2213818-9</a> |
| FSMIJ63AR04    | Illuminated 6x6 Tact, THT | HI            | Soft Orange  | <a href="#">3-2213818-9</a> |
| FSMIJ65AB04    | Illuminated 6x6 Tact, THT | LI            | Blue         | <a href="#">4-2213818-9</a> |
| FSMIJM61AB04   | Illuminated 6x6 Tact, SMT | LI            | Blue         | <a href="#">2213819-1</a>   |
| FSMIJM62BB04   | Illuminated 6x6 Tact, SMT | HI            | Blue         | <a href="#">2-2213819-5</a> |
| FSMIJM63BB04   | Illuminated 6x6 Tact, SMT | HI            | Blue         | <a href="#">4-2213819-1</a> |
| FSMIJM65AR04   | Illuminated 6x6 Tact, SMT | LI            | Red          | <a href="#">5-2213819-5</a> |
| FSMIJ61ASPG04  | Illuminated 6x6 Tact, SMT | HI            | Pure Green   | <a href="#">2213818-2</a>   |
| FSMIJ61AW04    | Illuminated 6x6 Tact, SMT | HI            | Yellow       | <a href="#">2213818-8</a>   |
| FSMIJ61AO04    | Illuminated 6x6 Tact, SMT | HI            | Red Orange   | <a href="#">2213818-6</a>   |
| FSMIJ61AY04    | Illuminated 6x6 Tact, SMT | HI            | Cold White   | <a href="#">2213818-4</a>   |

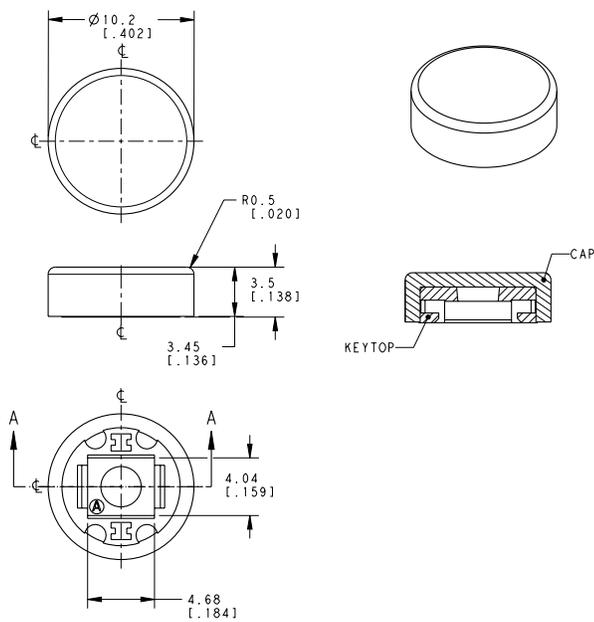
LI = low intensity  
HI = high intensity

Product Selection Information

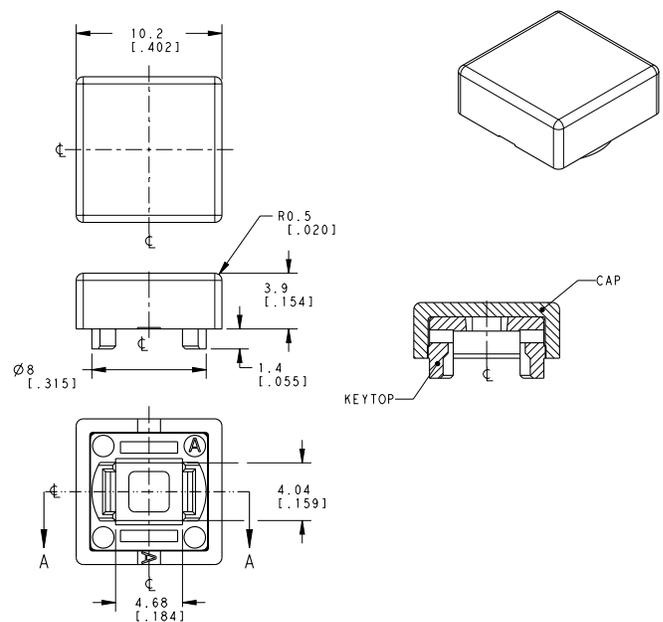
| Switch LED Color | Cap Style   | Recommended Cap Color | TE PN Round Cap           | TE PN Square Cap          |
|------------------|---|-----------------------|---------------------------|---------------------------|
| Blue             |  | Blue                  | <a href="#">2311402-4</a> | <a href="#">2311403-4</a> |
| Pure Green       |  | Green                 | <a href="#">2311402-1</a> | <a href="#">2311403-1</a> |
| Yellow Green     |  | Yellow                | <a href="#">2311402-5</a> | <a href="#">2311403-5</a> |
| Yellow Green     |  | Green                 | <a href="#">2311402-1</a> | <a href="#">2311403-1</a> |
| Yellow           |  | Yellow                | <a href="#">2311402-5</a> | <a href="#">2311403-5</a> |
| Soft Orange      |  | Red                   | <a href="#">2311402-3</a> | <a href="#">2311403-3</a> |
| Red Orange       |  | Red                   | <a href="#">2311402-3</a> | <a href="#">2311403-3</a> |
| Red              |  | Red                   | <a href="#">2311402-3</a> | <a href="#">2311403-3</a> |
| Cold White       |  | Black                 | <a href="#">2311402-2</a> | <a href="#">2311403-2</a> |

The tactile cap series is sold separately

Part Number 2311402



Part Number 2311403



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