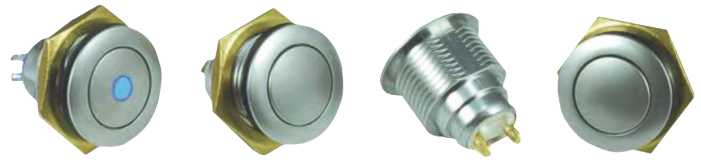


## SERIES 57M - 16MM MINIATURE PANEL SEALED METAL

The 57M is a miniature switch designed for rugged environments. The housing alloy with velour chrome plating. It is available as maintained or momentary action, Electro-mechanical operation with Gold plated contacts and solder terminals.

It is ideal for a multitude of applications.



### APPLICATIONS:

- Security Equipment
- Industrial Control
- Medical Equipment
- Military Equipment
- Food Processing
- Transportation
- Computers



### KEY FEATURES:

- Zinc Alloy/Velour Chrome Plated
- Center Spot LED and Non-Lighted Versions
- Maintained or Momentary Action
- Panel Sealed to IP67
- RoHS Compliant
- Electro-Mechanical
- Gold Plated Contacts and Terminals

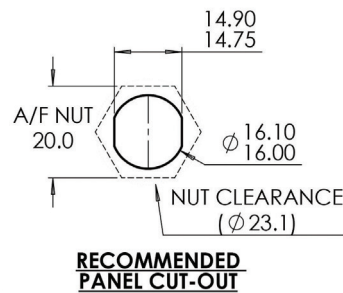
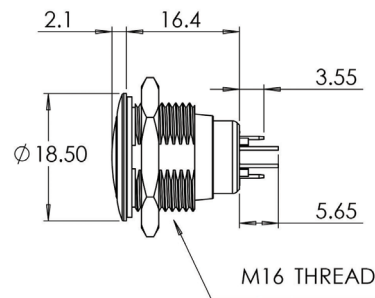
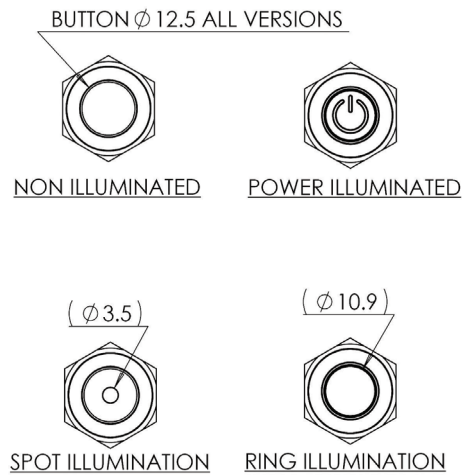
### ORDERING INFORMATION:

| Switch Function:                                                                                                                                                                                   | Housing Material:                         | Illumination:                                                                                                             | LED Color:                                                                                                                                           | Voltage Resistor:<br>If Blank*/\$ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>1</b> Mechanical, Momentary, Solder Terminal<br><b>2</b> Mechanical, Maintained, Solder Terminal<br><b>5</b> Mechanical, Momentary, PC Terminal<br><b>6</b> Mechanical, Maintained, PC Terminal | <b>1</b> Zinc Alloy, Velour Chrome Plated | <b>0</b> Non-lit<br><b>1</b> Center Spot Illumination<br><b>2</b> Ring Illumination<br><b>3</b> Standby Logo Illumination | <b>N</b> None<br><b>G</b> Green<br><b>A</b> Amber<br><b>Y</b> Yellow<br><b>B</b> Blue<br><b>W</b> White<br><b>RB</b> Red/Blue<br><b>RG</b> Red/Green | <b>05</b> 5V Forward              |
| <div> <div>57M -</div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>                                                                                                          |                                           |                                                                                                                           |                                                                                                                                                      |                                   |

\* Current limiting resistor is required to limit LED forward current to 20 mA (not included).

\$ Other integrated LED voltages can be provided upon request depending on project volume

## PRODUCT DRAWINGS



## MECHANICAL / ELECTRICAL CHARACTERISTICS:

### Circuit:

SPST-NO-DB

### Button travel (nominal):

0.09inches / 2.3mm

### Operating force (nominal):

3N / 306g

### Contact bounce (nominal):

1 millisecond

### Panel thickness:

0.20 - 0.120 inches / 0.5 - 3mm

### Temperature index:

-40°C to + 85°C

### Torque (max):

10 inch pounds

### LED operating temperature:

-13°F to + 185°F / -25°C to + 85°C

### Current Rating (resistive):

#### 57M (Momentary)

250mA@ 12VDC, 100k Cycles

150mA@ 28VDC, 150k Cycles

100mA@ 48VDC, 100k Cycles

10mA @ 12VDC, 1,000k Cycles

#### 57M (Maintained)

50,000 Cycles Nominal

## ELECTRICAL SPECIFICATIONS

### Dielectric strength:

1,000 VAC

### Insulation resistance:

1G $\Omega$

### Contact resistance:

50m $\Omega$  max(initial)