Series 57M-SS

16MM MINIATURE PANEL SEALED METAL

The 57M is a miniature switch designed for rugged environments. The housing is zinc alloy with velour chrome plating. It is available as maintained or momentary action, solid-state operation with Gold plated contacts and solder terminals. It is ideal for a multitude of applications.





ACTUAL SIZE

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
- Solid State
- Gold Plated Contacts and Terminals

ORDERING INFORMATION:

Switch Function:
3 Solid State, Momentary, Solder Terminal
4 Solid State, Maintained, Solder Terminal
7 Solid State, Momentary, PC Terminal
8 Solid State, Maintained, PC Terminal
C Solid State, Momentary, Wire Leads
D Solid State, Maintained, Wire Leads
9 Special, Digits Are in Serial Order

Housing Material:
1 Zinc Alloy, Velour Chrome Plated
3 Zinc Alloy, Black
4 Stainless Steel, Natural

Illumination#:
0 Non-lit
1 Center Spot Illumination
2 Ring Illumination
3 Stanby Logo Illumination
4 High Button Non-Illumination

LED Color:
N None
G Green
R Red
A Amber
B Blue
W White
RB Red / Blue
RG Red / Green

Voltage Resistor:
If Blank*
05 5V Forward
12 12V Forward**
24 24V Forward**

57M- ☐ ☐ ☐ ☐ ☐

Lighted switches come with wires on LEDs to protect from solder heat.

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

** 12 and 24 V resistors are available with wirelead versions only.

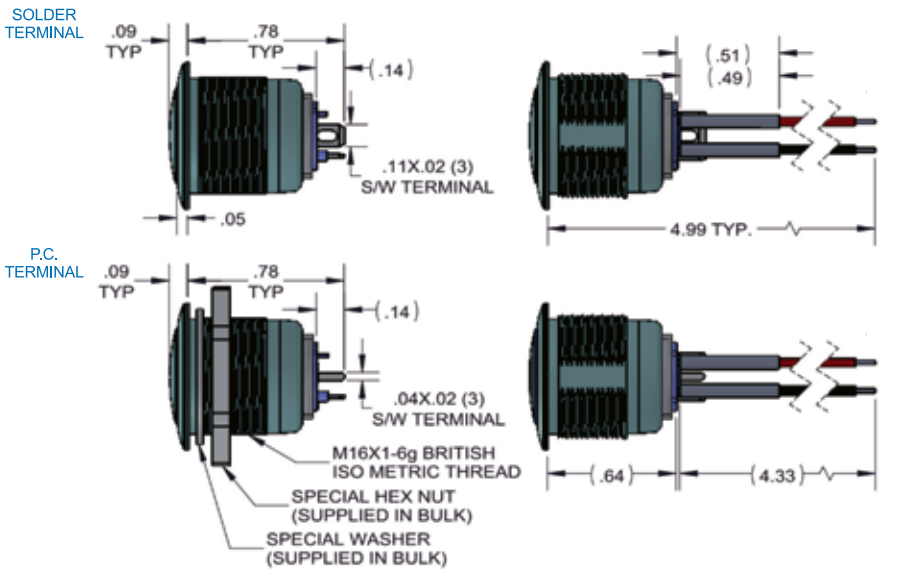
STANDARDS / AGENCY / RATINGS:

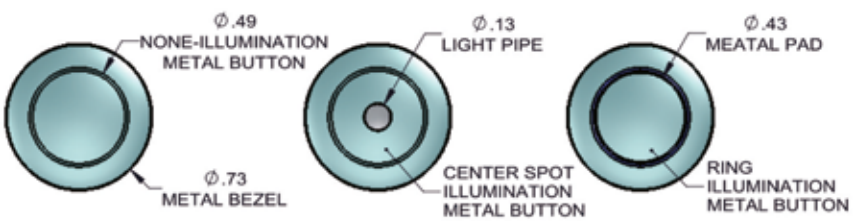
RoHS COMPLIANT 2002 / 95 / EC

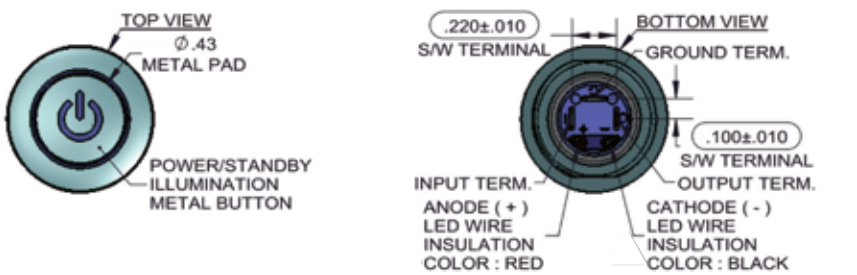
IEC IP67 COMPLIANT

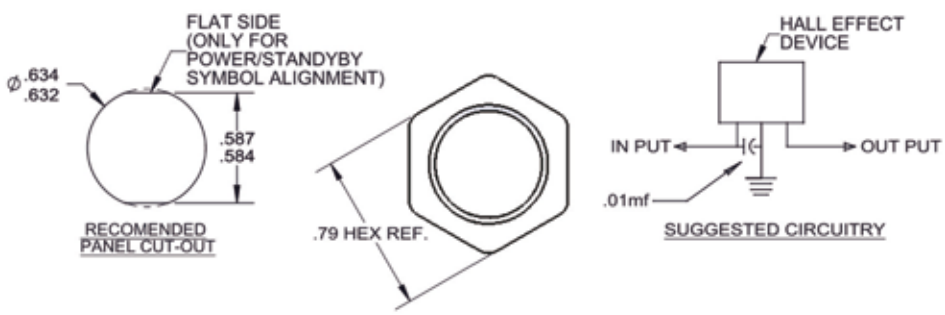
SERIES 57M: 16MM MINIATURE PANEL SEALED METAL

PRODUCT DRAWINGS

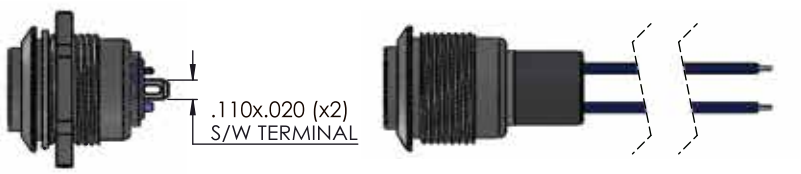








High Button Type



MECHANICAL CHARACTERISTICS

CIRCUIT:
SPST-NO-DB (FORM X)

BUTTON TRAVEL (NOM):
[2.3] .09

OPERATING FORCE (NOM):
[3N] 306g

PANEL THICKNESS:
[0.0 to 6.0] .00 to .24

NUT TORQUE (MAX):
[11.5 kgf/cm] 10 lb/in

HARDWARE:

BULK PACKAGED SEALING WASHER AND HEX NUT ARE INCLUDED.

ENVIRONMENTAL SPECIFICATIONS

ACTUATOR INGRESS PROTECTION:
IP67

OPERATING TEMPERATURE:
NON-LIT: [-40 C to +85 C]
-40 F to +185 F
ILLUMINATED: [-25 C to +85 C]
-13 F to +185 F

ELECTRICAL SPECIFICATIONS

SUPPLY VOLTAGE:
4.2V TO 24V, 26.5 MAX

SUPPLY CURRENT:
B<Brp, Vcc=12V:
3mA TYP to 8mA MAX
B>Bop, Vcc=12V:
4mA TYP to 8mA MAX

OUTPUT LOAD:
SINKING (I out MAX = 25mA)

REVERSE BATTERY VOLTAGE:
-30V MAX

REVERSE OUTPUT CURRENT:
-50mA MAX

SWITCH LIFE:
MOMENTARY: 1,000,000 CYCLES
MAINTAINED: 50,000 CYCLES

WIRE LEADS:
UL STYLE 1007
26 AWG, STRANDED

Designs and specifications are subject to change without notice due to product improvement.