

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.

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 Standby 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.



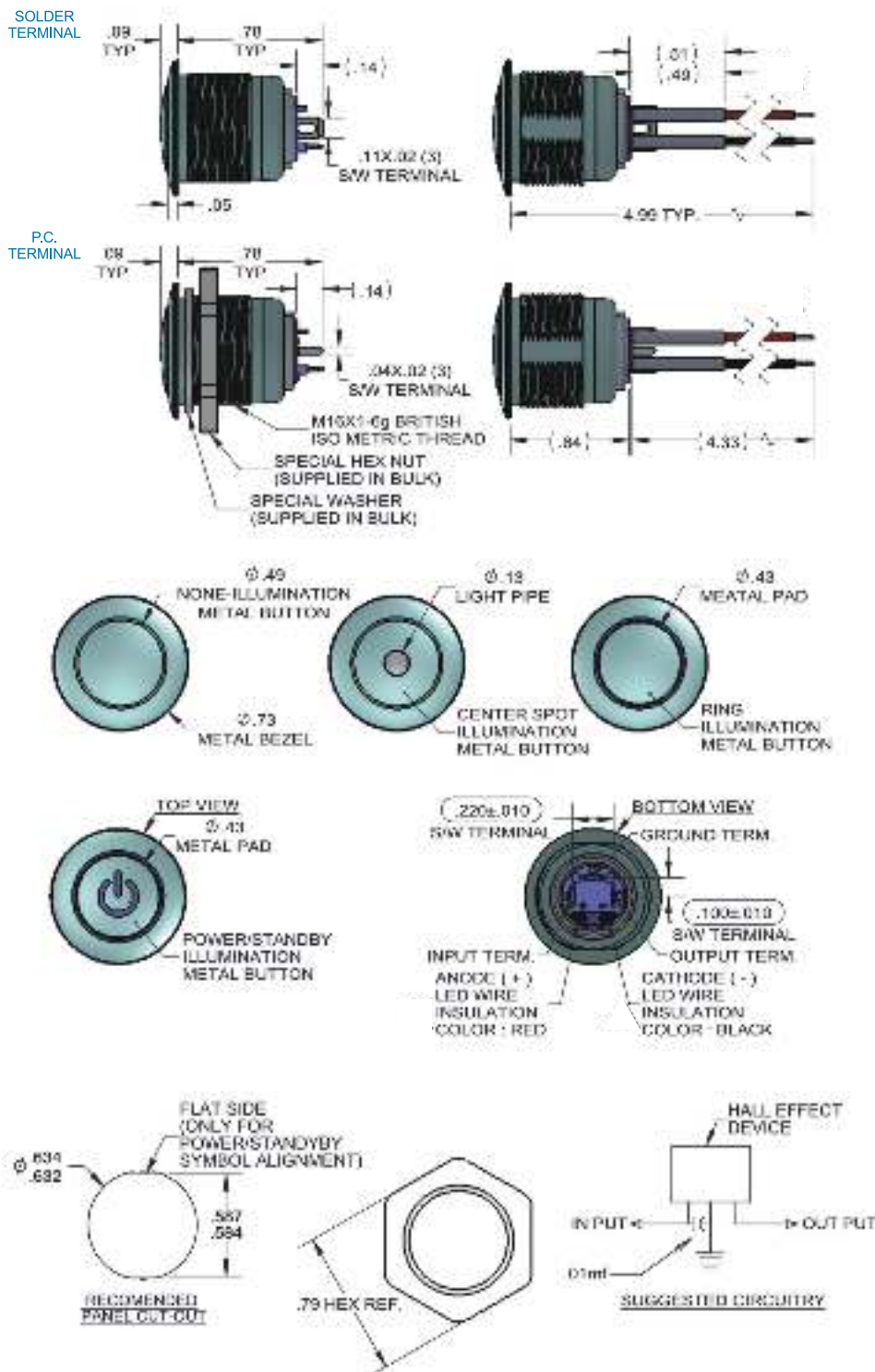
ACTUAL SIZE

STANDARDS / AGENCY / RATINGS:



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

ITW Switches
SENSORS, SWITCHES, ELECTRONIC CONTROLS

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