



SERIES W57M SERIES WS57M
SERIES WN57M SERIES WG57M
SERIES WD57M SERIES WSA57M
- PUSHBUTTON SWITCHES



Series W57M

KEY FEATURES

- Size: 16mm
- SPST-NO-DB
- Solder /PC Terminal & wireleads
- Snap Action: Momentary / Maintained
- Operation temperature: -40 ~ 85°C
- Zinc Alloy/Velour Chrome Plated Housing
- IP67 water proof
- 5A / 28VDC with UL61058

APPLICATIONS

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

ORDERING INFORMATION

W **57M** - - - - -

Series:	Switch Function / Termination:
Blank Gold Contact IP67	1 Momentary, Solder
S Silver Contact IP67	2 Maintained, Solder
N Silver Contact	5 Momentary, PC
G Silver Contact IP67/2A	6 Maintained, PC
D Silver Contact, Short Housing IP67/2A	A Momentary, Wire Leads
	B Maintained, Wire Leads
	9 Special, Digits are in Serial Order

Series:	Switch Function / Termination:
SA Silver Contact IP67/5A	1 Momentary, Solder
	2 Maintained, Solder
	A Momentary, NO/NO Wireleads
	B Maintained, NO/NO Wireleads
	C Momentary, NC/NC Wireleads
	D Maintained, NC/NC Wireleads
	E Momentary, NC/NO Wireleads
	F Maintained / NC/NO Wireleads

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

Illumination:
0 Non-Illumination
1 Center Spot
2 Ring Illumination
3 Standby Logo
4 High Button, Non-Illumination

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

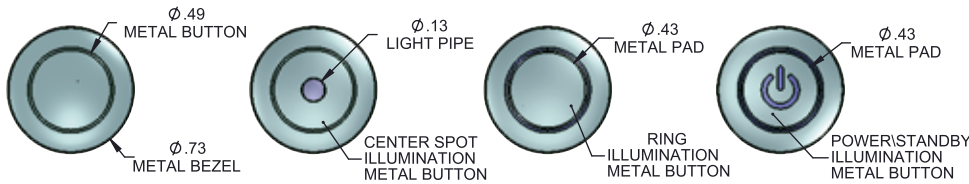
Voltage Resistor:
If Blank: Note*
05 5V Forward
12 12V Forward**
24 24V Forward**

Note:

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

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

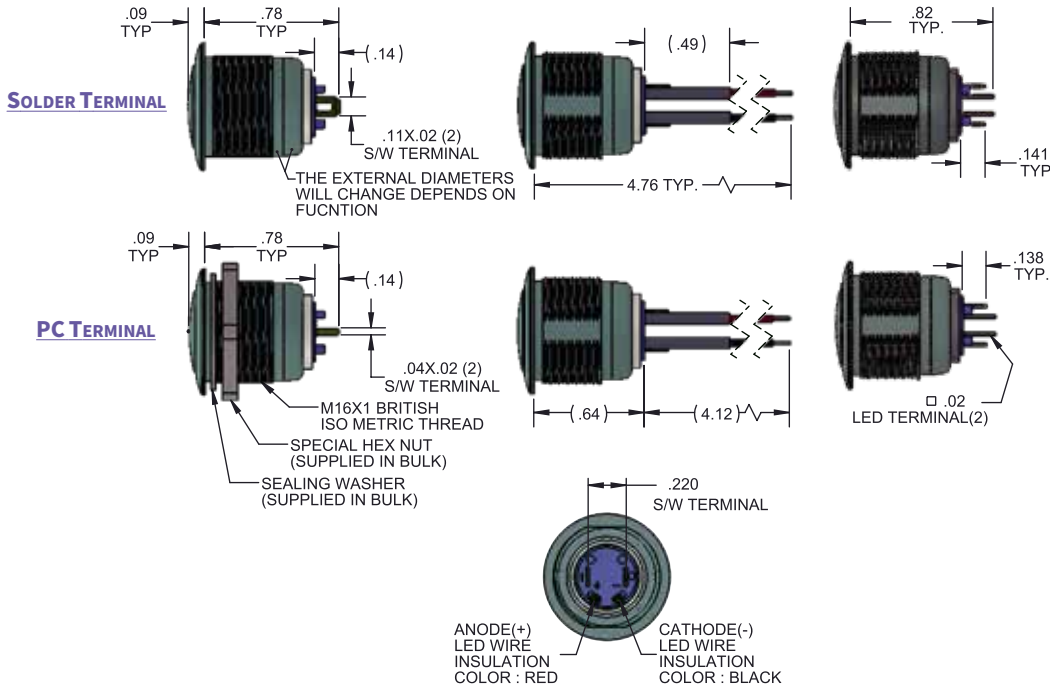
SERIES W57M - PUSHBUTTON SWITCHES



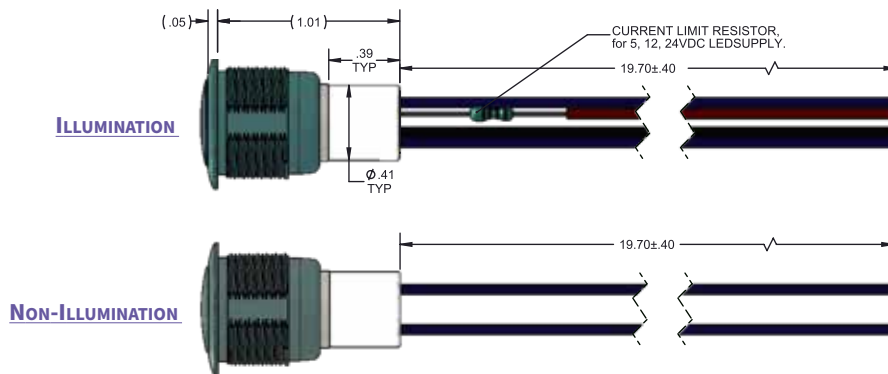
MECHANICAL CHARACTERISTICS

- **Switch Circuitry:** SPST-NO-DB (Form X)
- **Button Travel (Nominal):** 0.090 inches [2.30mm]
- **Operating Force (Nominal):** 3N [306g]
- **Contact Bounce (Nominal):** 1ms
- **Panel Thickness:** 0.020" - 0.118" [0.5 - 3.0mm]
- **Nut Torque Force:** Max 10 lb-in [11.5 kgf-cm]
- **Current Ratings (Nominal):**
W57M (Momentary)
 250mA @ 12VDC, 100k Cycles
 150mA @ 28VDC, 150k Cycles
 100mA @ 48VDC, 100k Cycles
 10mA @ 12VDC, 1 Million Cycles

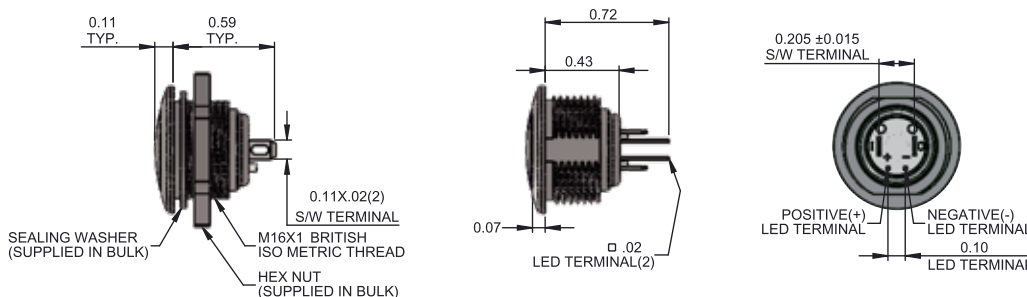
W57M/WS57M SERIES



WIRELEADS



WD57M SERIES



W57M (Maintained)
50K Cycles Nominal

WS57M (Momentary)
10mA @ 12VDC, 200k Cycles

WS57M (Maintained)
20K Cycles Nominal

WD57M (Momentary)
10mA @ 12VDC, 200k Cycles

ENVIROMENTAL SPECIFICATIONS

- **Operating Temperature:** -40°F to +185°F (-40°C to +85°C)
- **Water Proof:** IP67 (Front Panel)

ELECTRICAL SPECIFICATIONS

- **Dielectric Strength:** 1,000VAC
- **Insulation Resistance:** 1G Ω
- **Contacts Resistance:** 50 mΩ max. (Non-Wirelead)
250 mΩ max. (Wirelead)

MECHANICAL CHARACTERISTICS

- **Switch Circuitry:**
SPST-NO-DB (Form X)
- **Button Travel (Nominal):**
0.090 inches [2.30mm]
- **Operating Force (Nominal):**
3N [306g]
- **Contact Bounce (Nominal):**
1ms
- **Contacts Material:**
Silver
- **Panel Thickness:**
0.020" - 0.118" [0.5 - 3.0mm]
- **Nut Torque Force:**
Max 10 lb-in [11.5 kgf-cm]
- **Current Ratings (Nominal):**
WG57M (Momentary)
 2A @ 24VDC, 40k Cycles
 1A @ 250VAC, 40k Cycles
WG57M (Maintained)
 2A @ 24VDC, 20k Cycles
 1A @ 250VAC, 20k Cycles
WN57M (Momentary)
 10mA @ 12VDC, 200k Cycles
WN57M (Momentary)
 20K Cycles Nominal

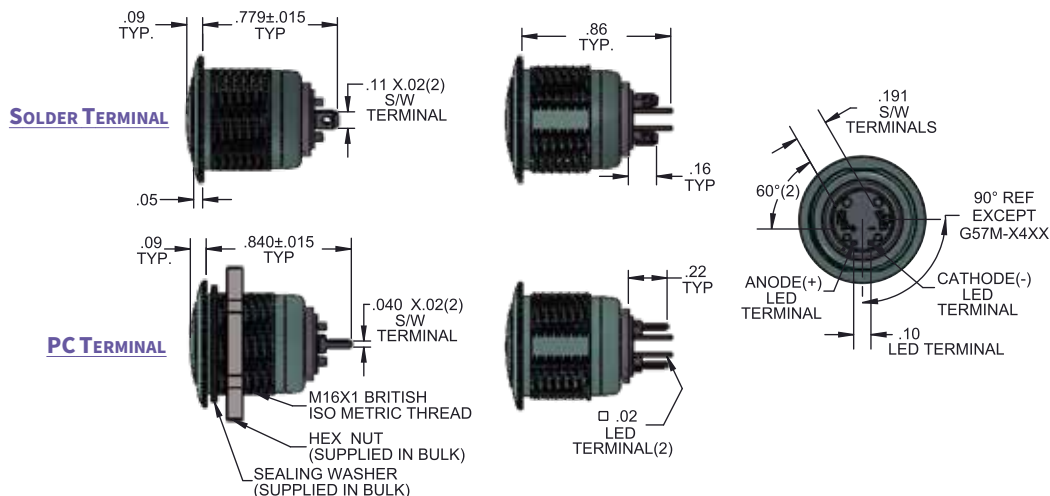
ENVIROMENTAL SPECIFICATIONS

- **Operating Temperature:**
-40°F to +185°F (-40°C to +85°C)
- **Water Proof:**
IP67 (Front Panel)

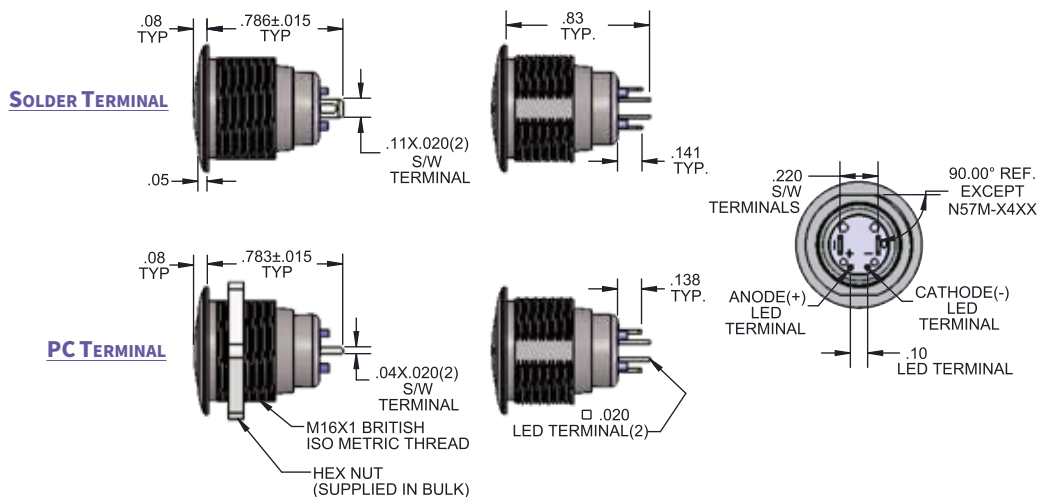
ELECTRICAL SPECIFICATIONS

- **Dielectric Strength:**
1,000VAC
- **Insulation Resistance:**
1G Ω
- **Contacts Resistance:**
50 mΩ max. (Non-Wirelead)
250 mΩ max. (Wirelead)

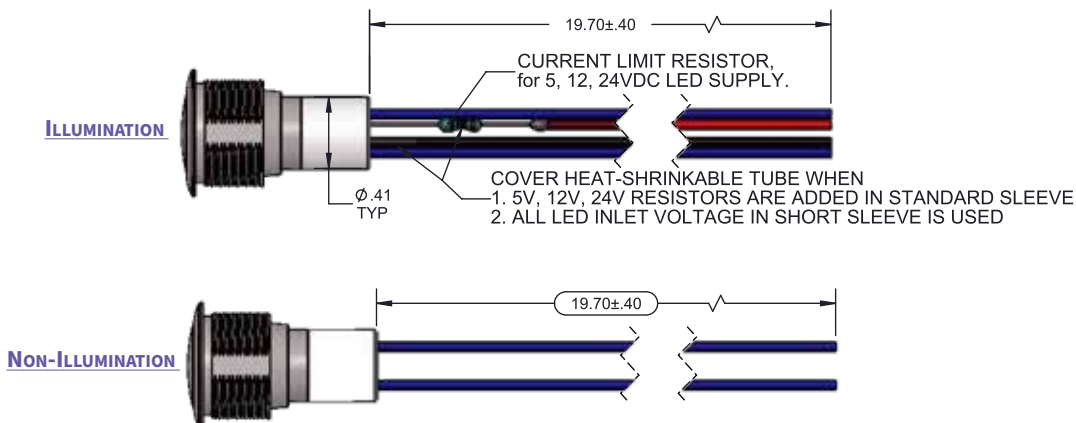
WG57M SERIES



WN57M SERIES



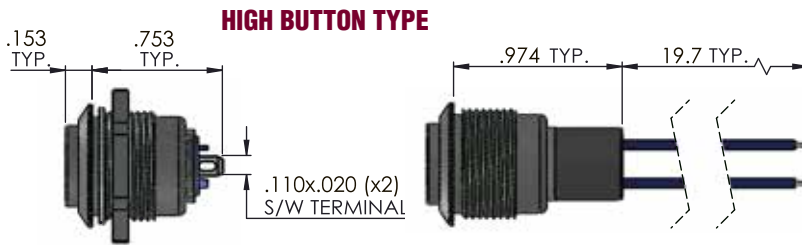
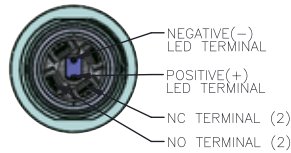
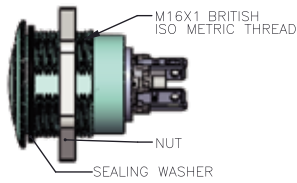
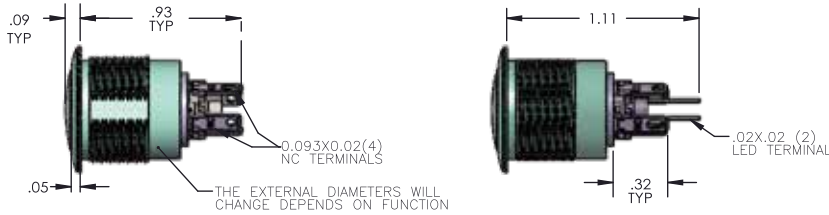
WIRELEADS



SERIES W57M - PUSHBUTTON SWITCHES



WSA57M SERIES



RECOMMENDED PANEL CUT-OUT	
PANEL THICKNESS	0.020~0.118" [0.5~3.0 mm]
NUT TORQUE FORCE	Max. 5.2 lb-in [6 kgf-cm]

MECHANICAL CHARACTERISTICS

- **Switch Circuitry:** SPST-NO-DB (Form X)
- **Button Travel (Nominal):** 0.090 inches [2.30mm]
- **Operating Force (Nominal):** 3N [306g]
- **Contact Bounce (Nominal):** 1ms
- **Panel Thickness:** 0.020" - 0.118" [0.5 - 3.0mm]
- **Nut Torque Force:** Max 5.2 lb-in [6 kgf-cm]
- **Current Ratings (Nominal):** WSA57M (Momentary)
5A @ 12VDC, 25k Cycles
5A @ 125/250VAC, 25k Cycles

ENVIROMENTAL SPECIFICATIONS

- **Operating Temperature:** -40°F to +185°F (-40°C to +85°C)
- **Water Proof:** IP67 (Front Panel)

ELECTRICAL SPECIFICATIONS

- **Dielectric Strength:** 1,000VAC
- **Insulation Resistance:** 1G Ω
- **Contacts Resistance:** 50 mΩ max. (Non-Wirelead)
250 mΩ max. (Wirelead)