ITW SWITCH
LUMEX®

SERIES W58M
SERIES WS58M
SERIES WG58M
SERIES WSA58M
- PUSHBUTTON SWITCHES

Series W58M

KEY FEATURES

- Size: 22mm
- SPST-NO-DB
- Operation temperature: -40 ~ 85°C
- Stainless Steel / Aluminum Housing
- Panel Sealed to IP67
- ROHS Compliant
- Variety of LED colors

APPLICATIONS

- Outdoor Controls
- Kiosks
- Security Equipment
- Medical Equipment
- Food Processing Equipment
- Industrial Machinery
- Transportation

ORDERING INFORMATION

W□58M-□-□-□-□-□-□

Series:	
Blank	Gold Contact IP67
S	Silver Contact IP67
G	Silver Contact IP67/2A

Series:	
SA	Silver Contact IP67/5A

Switch Function / Termination:	
A	Momentary, Wire Leads
B	Maintained, Wire Leads
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	Stainless Steel, Natural
2	Aluminum

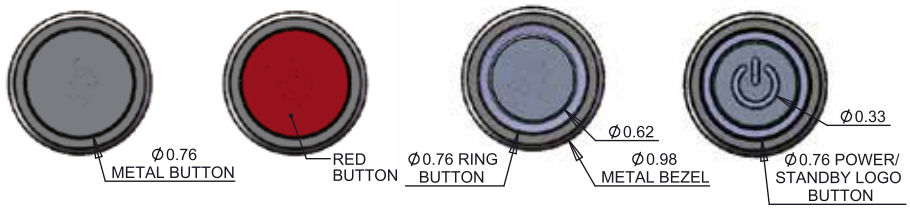
Illumination:	
0	Non-illumination
2	Ring Illumination
3	Standby Logo
R	Red, Non-lit

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

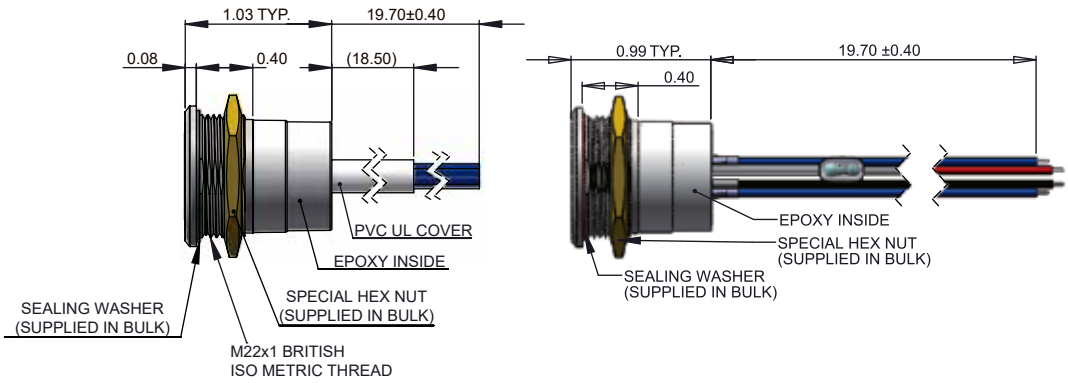
Voltage Resistor:	
If Blank: Note*	
05	5V Forward
12	12V Forward**
24	24V Forward**

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.

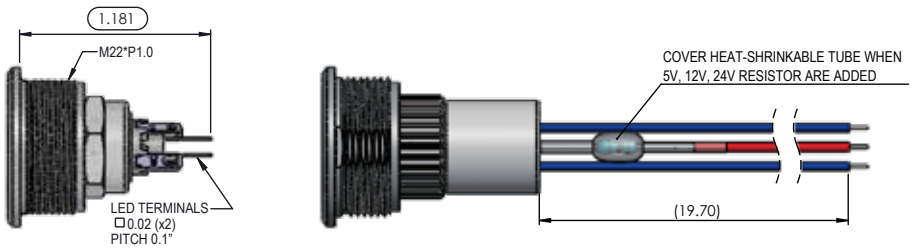
Series W58M - Pushbutton Switches

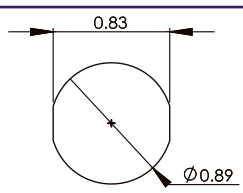


W58M/WS58M/WG58M Series



WSA58M Series



Recommended Panel Cut-out	
Panel Thickness	0.020~0.177" [0.5~4.5 mm]
Nut Torque Force	Max. 10 lb-in [11.5 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" - 0.177" [0.5 - 4.5mm]
- **Nut Torque Force:** Max 10 lb-in [11.5 kgf-cm]
- **Current Ratings (Nominal):**

W58M (Momentary)
250mA @ 12VDC, 100k Cycles
150mA @ 28VDC, 150k Cycles
100mA @ 48VDC, 100k Cycles
10mA @ 12VDC,1 Million Cycles
W58M (Maintained)
50K Cycles Nominal

WS58M (Momentary)
10mA @ 12VDC, 200k Cycles
WS58M (Maintained)
20K Cycles Nominal

WG58M (Momentary)
2A @ 24VDC, 40k Cycles
1A @ 250VAC, 40k Cycles
WG58M (Maintained)
2A @ 24VDC, 20k Cycles
1A @ 250VAC, 20k Cycles

WSA58M (Momentary)
5A @ 28VDC, 25k Cycles
WSA58M (Maintained)
5A @ 28VDC, 25k Cycles

Enviromental Specifications

- **Operating Temperature:** -13°F to +185°F (-25°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)