



SERIES WSA57M - PUSHBUTTON SWITCHES



Series WSA57M

KEY FEATURES

- Size: 16mm
- SPDT : 1NO / 1NC
- Mechanical Life: 25k Cycle Nominal
- Snap Action: Momentary / Maintained
- Operation temperature: -40 ~ 85°C
- Stainless Steel / Zinc Alloy Housing
- IP67 water proof
- 5A / 28VDC with UL 61058

APPLICATIONS

- Security Equipment
- Industrial Control
- Medical Equipment
- Marine
- Food Processing Equipment
- Office Equipment
- Transportation

ORDERING INFORMATION

WSA57M - - - - - -

Switch Function / Termination:	
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, Chrome Plated
3	Zinc Alloy, Matt Black
4	Stainless Steel, Natural

Illumination:	
0	Non-illumination
1	Center Spot
2	Ring Illumination
3	Power / Standby Logo

LED Color:	
N	None
R	Red
G	Green
Y	Yellow
B	Blue
W	White

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

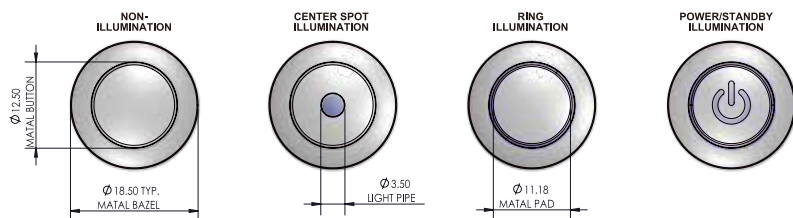
Special Request:	
If Blank: N/A	
xxx	Customer Special Request

Note:

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

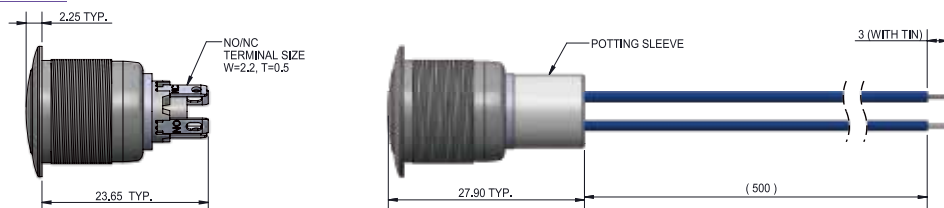
**12 and 24V resistors are available with wirelead versions only.

SERIES WSA57M-EM - PUSHBUTTON SWITCHES



MOMENTARY TYPE

Non-Illumination

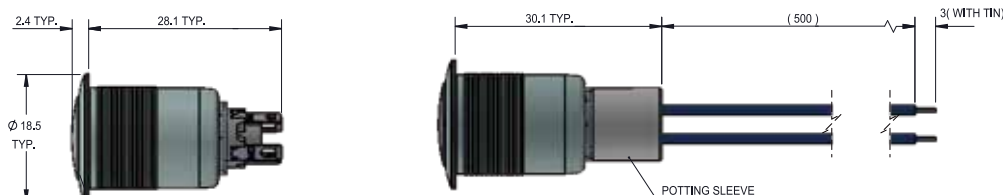


ILLUMINATION

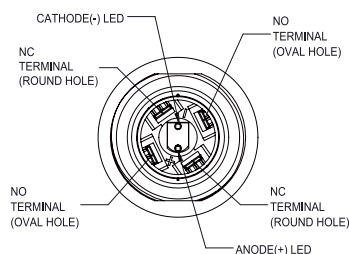
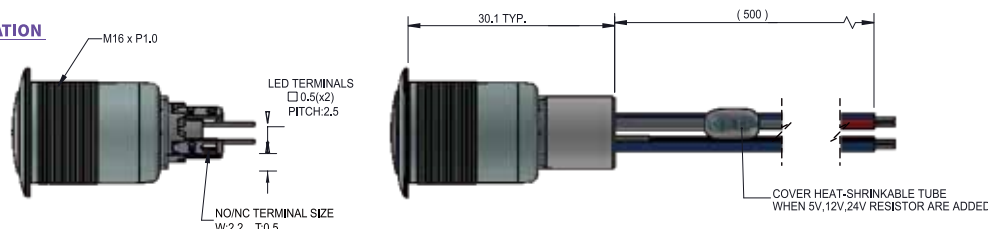


MAINTAINED TYPE

Non-Illumination



ILLUMINATION



DETAIL FOR TERMINAL POSITION

RECOMMENDED PANEL CUT-OUT	FLAT SIDE (ONLY FOR POWER / STANDBY SYMBOL ALIGNMENT)
PANEL THICKNESS	0.020~0.236" [0.5~6.0 mm]
NUT TORQUE FORCE	Max. 10 lb-in [11.5 kgf-cm]

LED CODE	LED COLOR	CIRCUITRY	Vf (VDC)	If (mA)
R	RED		1.8~2.5	20
B	BLUE		2.8~3.5	20
G	GREEN		2.8~3.5	20
Y	YELLOW		1.8~2.5	20
W	WHITE		2.8~3.5	20

Notes:
1. Lead Soldering Temperature (4mm above from body) : 280°C for 5 seconds
2. Hand Soldering Temperature (4mm above from body) : 320°C for 3 seconds

WIRELEADS TYPE	SW TERMINAL		LED	
	NO	NC	+	-
ILLUMINATION	BLUE AWG24 UL1007	YELLOW AWG24 UL1007	RED AWG26 UL1007	BLACK AWG26 UL1007
NON-ILLUMINATION	BLUE AWG24 UL1007	YELLOW AWG24 UL1007	-	-

MECHANICAL CHARACTERISTICS

- Switch Circuitry:** SPDT-DB (Form X)
- Pretravel (Nominal):** 0.050 inches [1.27mm]
- Overtravel (Nominal):** 0.010 inches [0.25mm]
- Total Travel (Nominal):** 0.060 inches [1.52mm]
- Operating Force (Nominal):** 5.15N [525g]
- Release Force (Nominal):** 3.45N [340g]
- Contacts Material:** Silver
- Panel Thickness:** 0.020" - 0.236" [0.5 - 6.0mm]
- Nut Torque Force:** Max 10 lb-in [11.5 kgf-cm]
- Current Ratings (Nominal):** 5A @ 28VDC

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)