

PUSHBUTTON SWITCHES

16MM PANEL SEALED 5 AMP PUSHBUTTON SWITCHES

The ITW 5 Amp SA57M series is a miniature switch designed for rugged environments. The SA57M switches are available with stainless steel or Zinc alloy chrome plated material options. These switches are IP67-rated with 5A, 28VDC electrical current rating. Applications include security equipment, industrial control, medical equipment, office equipment, etc.

Series SA57M



KEY FEATURES:

Size	16mm
Current Rating	5A @ 28VDC
Mechanical Life	25k Cycle Nominal
Operating Temperature	-40° to +185°F [-40° to +85°C]
Circuitry	1NO/1NC
Ingress Protection	IP67 (Front Panel)
Standards	UL 61058
Housing Material	Stainless / Zinc Alloy
Snap Action	Momentary / Maintained
Illumination	Green/ Red/ Blue/ White/ Yellow

APPLICATIONS

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

ORDERING INFORMATION:

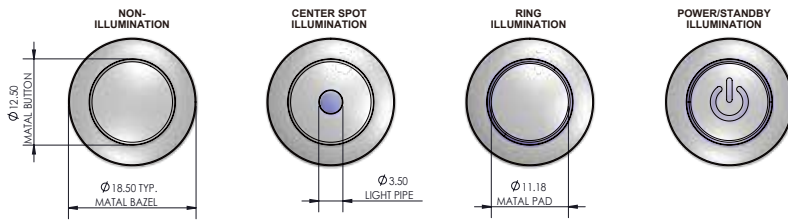
Switch Function: 1 Momentary, Solder Terminal A Momentary, NO Wireleads C Momentary, NC Wireleads E Momentary, NO/NC Wireleads 2 Maintained, Solder Terminal B Maintained, NO Wireleads D Maintained, NC Wireleads F Maintained, NO/NC Wireleads	Housing Material: 1 Zinc Alloy, Chrome Plated 3 Zinc Alloy, Matt Black 4 Stainless Steel, Natural	Illumination: 0 Non-Illumination 1 Center Spot Illumination 2 Ring Illumination 3 Power/ Standby Illumination	LED Color: N None G Green R Red B Blue W White Y Yellow	Voltage Resistor: If Blank* 05 5V Forward 12 12V Forward** 24 24V Forward**	Special Request: If Blank N/A xxx Customer Special Request
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* Current limiting resistor is required to limit LED forward current to 20mA.(not included)
 ** 12 and 24V resistors are available with wirelead versions only.

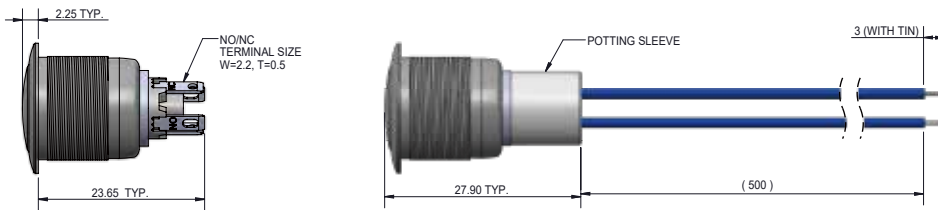
SERIES SA57M: 16MM SEALED 5 AMP PUSHBUTTON SWITCHES

PRODUCT DRAWINGS

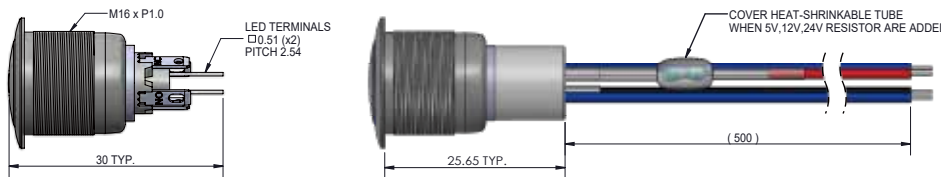


MOMENTARY TYPE

NON-ILLUMINATION TYPE



ILLUMINATION TYPE



MAINTAINED TYPE

NON-ILLUMINATION TYPE



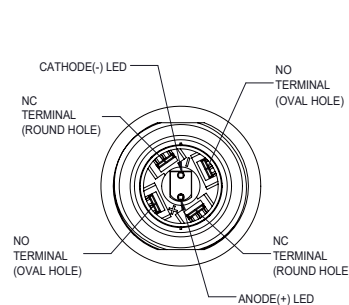
ILLUMINATION TYPE



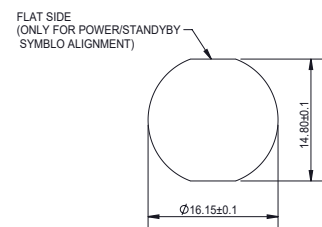
LED CODE	LED COLOR	CIRCUITRY	Vf (VDC)	If (mA)
R	RED		1.8-2.5	20
B	BLUE		2.8-3.5	20
G	GREEN		2.8-3.5	20
Y	YELLOW		1.8-2.5	20
W	WHITE		2.8-3.5	20

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



DETAIL FOR TERMINAL POSITION



RECOMMENDED PANEL CUT-OUT

MECHANICAL / ELECTRICAL CHARACTERISTICS:

Circuit:

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]

Panel Thickness:
0.020" - 0.236" [0.5 - 6.0mm]

Contacts:
Silver

Nut Torque Force:
Max 10 lb-in [11.5 kgf-cm]

Actuator Ingress Protection:
IP67 (Front Panel)

Operating Temperature:
-40° to +185°F [-40° to +85°C]

Current Ratings (Nominal):
5A@ 28 VDC

ELECTRO-MECHANICAL:

Dielectric Strength:
1,000 VAC

Insulation Resistance:
1GΩ

Contact Resistance:
Max 50mΩ (Non-Wirelead)
Max 250mΩ (Wirelead)