

19MM PANEL SEALED METAL ELECTRO-MECHANICAL

Built on the proven series 48 platform these rugged switches come in stainless steel or chrome plated housings with either momentary or maintained action and lighted or unlighted versions. The variety of options in this compact package size make the 48M ideal for many applications

APPLICATIONS

- Outdoor Controls
- Security Equipment
- Medical Equipment
- Food Processing Equipment
- Military Equipment
- Industrial Machinery
- Transportation: Mass-Transit, Lift Trucks

KEY FEATURES:

- Momentary or Maintained Action
- Stainless Steel Housing
- Center Spot or Ring Illumination
- Variety of LED colors
- Electro-Mechanical
- Panel Sealed to IP67
- ROHS Compliant
- Gold Plated Contact and Terminals

Series 48M-EM



ACTUAL SIZE

ORDERING INFORMATION:

SWITCH FUNCTION:	HOUSING MATERIAL:	ILLUMINATION †:	LED COLOR:	VOLTAGE RESISTOR
1. MECHANICAL, MOMENTARY, SOLDER TERMINAL	1. STAINLESS STEEL	0. NON-LIT	N. NONE	IF BLANK *
2. MECHANICAL, MAINTAINED, SOLDER TERMINAL	2. ZINC ALLOY CHROME PLATED	1. CENTER SPOT ILLUMINATION	G. GREEN L.E.D.	05 5V FORWARD
5. MECHANICAL, MOMENTARY, PC TERMINAL		2. RING ILLUMINATION	R. RED L.E.D.	12 12V FORWARD **
6. MECHANICAL, MAINTAINED, PC TERMINAL		3. ILLUMINATED POWER SYMBOL	A. AMBER L.E.D.	24 24V FORWARD **
A. MECHANICAL, MOMENTARY, WIRE LEADS			B. BLUE L.E.D.	
B. MECHANICAL, MAINTAINED, WIRE LEADS			W. WHITE L.E.D.	
9. SPECIAL, DIGITS ARE IN SERIAL ORDER			RB. RED/BLUE L.E.D.	
			RG. RED/GREEN L.E.D.	

† 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).

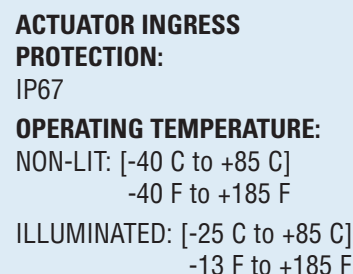
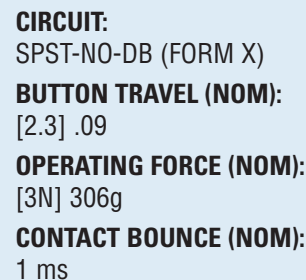
** 12 and 24 V resistors are available with wirelead versions only.

STANDARDS / AGENCY / RATINGS:



PUSHBUTTON SWITCHES

MECHANICAL CHARACTERISTICS



CURRENT RATING (resistive):
 250mA @ 12VDC, 100K CYCLES
 150mA @ 28VDC, 150K CYCLES
 (MOMENTARY)
 100mA @ 48VDC, 100K CYCLES
 10mA @ 12VDC, 1 MILLION CYCLES
 (MOMENTARY)

INSULATION RESISTANCE:

1G 0HM

CONTACT RESISTANCE:

50m OHMS

WIRE LEADS:

UI STYLE F 1007

26 AWG. STRANDED

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

Mouser Electronics

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[48M212G](#) [48M212W](#)