PUSHBUTTON SWITCHES

Series 48M-EM

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

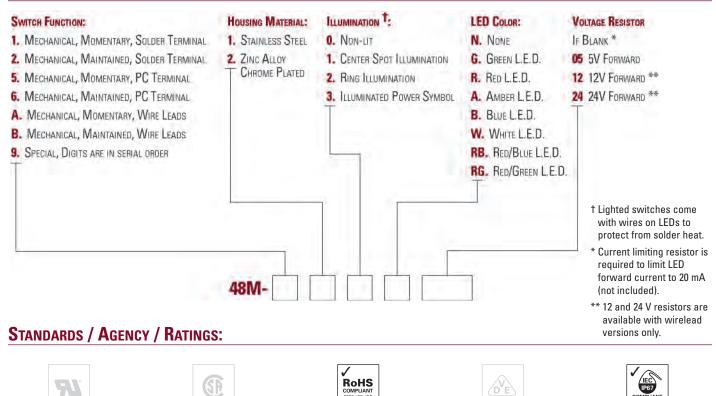
- Outdoor Controls
- Security Equipment
- Medical Equipment
- Food Processing Equipment
- Military Equipment
- Industrial Machinery
- Transportation: Mass-Transit, Lift Trucks

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

ORDERING INFORMATION:



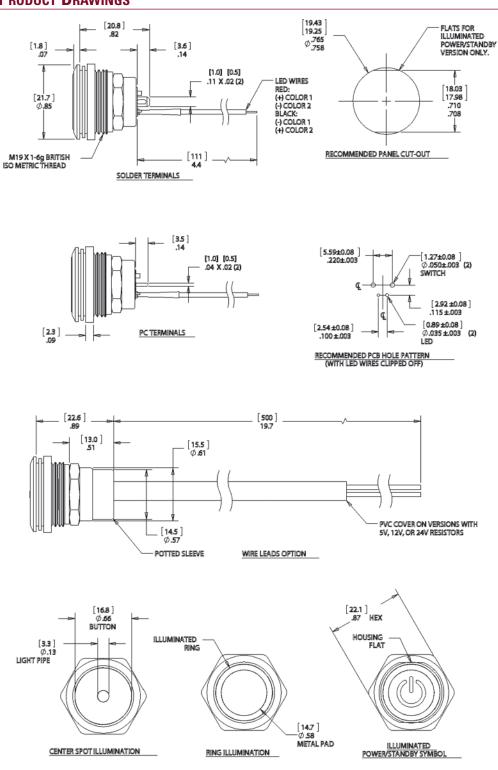
www.itwswitches.com

Contact an Authorized Distributor or Factory for Pricing

ACTUAL SIZE

SERIES 48M: 19MM PANEL SEALED METAL PUSHBUTTON

PRODUCT DRAWINGS



I Issue 1 OPERATING FORCE (NOM): 17.58 .710 .306g

CONTACT BOUNCE (NOM): 1 ms

PANEL THICKNESS:

[0.5 to 4.5] .02 to .18 NUT TORQUE (MAX):

[11.5 kgf/cm] 10 lb/in

HARDWARE:

CIRCUIT:

[2.3] .09

BULK PACKAGED SEALING WASHER AND HEX NUT ARE INCLUDED.

ENVIRONMENTAL SPECIFICATIONS

ACTUATOR INGRESS PROTECTION: IP67

OPERATING TEMPERATURE: NON-LIT: [-40 C to +85 C] -40 F to +185 F ILLUMINATED: [-25 C to +85 C] -13 F to +185 F

ELECTRICAL SPECIFICATIONS

CURRENT RATING (resistive): 250mA @ 12VDC, 100K CYCLES 150mA @ 28VDC, 150K CYCLES (MOMENTARY) 100mA @ 48VDC, 100K CYCLES 10mA @ 12VDC, 1 MILLION CYCLES (MOMENTARY) DIELECTRIC STRENGTH: 1,000 VAC

INSULATION RESISTANCE: 1G OHM

CONTACT RESISTANCE: 50m OHMS

WIRE LEADS: UL STYLE 1007 26 AWG, STRANDED



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

800.544.3354

PUSHBUTTON SWITCHES

MECHANICAL CHARACTERISTICS

SPST-NO-DB (FORM X)

BUTTON TRAVEL (NOM):

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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 M7E-HRN2

 67021K512
 67081K512X
 701PB580
 7190K101
 7199K101
 810K12910
 810KSV30B
 MML21EA2ADK
 MML21KA3ABK

 MML23KA3AC05K-001
 MML23KW3AA01W
 8418K2
 8442K3
 8450K1
 860K11911T01A
 861901
 861K11911T01A07

 861K13810T00A14
 861K13911
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 8646ABUL
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