

Model Number 686B0X	SMART VIBRATION SWITCH			Revision: B ECN #: 39883															
Performance Alarm Threshold(± 10 %) Frequency Range(± 3 dB) Hysteresis(% < Alarm Threshold) Residual Vibration Level(Reference) Residual Vibration Level(% Alarm Threshold) MAVT(Sets Alarm Threshold to 2X actual vibration) Transverse Sensitivity Power On Delay(± 1 sec) Startup Delay(± 1 sec or 1 min)(Time) Startup Delay(x Alarm Threshold) Startup Delay(Active) Operational Delay(± 1 sec) Relay(Type) Relay(Latching) Relay(Contacts) Environmental Temperature Range(Operating) Temperature Range(Storage) Overload Limit(Shock) Enclosure Rating Electrical Power Required Current Rating(Relay Closed) Leak Current(Relay Open) Electrical Isolation(Case) Physical Size (Hex x Height) Weight Mounting Torque Mounting Thread Sensing Element(Internal) Housing Material Sealing Electrical Connector Electrical Connection Position	ENGLISH 0.25 to 5 in/sec pk 420 to 60 kcpm 3; 6; or 10 % Dependent or Independent 1 to 40 % Enabled or Disabled <7 % 3 or 20 sec 1 to 60 sec or 1 to 30 min x2; x4; x8; Blocked Enabled or Disabled 1 to 60 sec SPST, Form A or B MOSFET Latching / Non-Latching Normally Open / Closed -40 to 185 °F -40 to 257 °F 5000 g pk IP68 24 to 240 V DC/AC 50/60 Hz 500 mA ≤ 1 mA >10 ⁸ Ohm 1.25 in x 2.6 in 5.2 oz 3 to 5 ft-lb 1/4-28 Female Piezoelectric Accelerometer Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	SI 4.5 to 90 mm/s rms 7 to 1000 Hz 3; 6; or 10 % Dependent or Independent 1 to 40 % Enabled or Disabled <7 % 3 or 20 sec 1 to 60 sec or 1 to 30 min x2; x4; x8; Blocked Enabled or Disabled 1 to 60 sec SPST, Form A or B MOSFET Latching / Non-Latching Normally Open / Closed -40 to 85 °C -40 to 125 °C 49,050 m/s² pk IP68 24 to 240 V DC/AC 50/60 Hz 500 mA ≤ 1 mA >10 ⁸ Ohm 1.25 in x 66 mm 148 gm 4 to 7 Nm 1/4-28 Female Piezoelectric Accelerometer Stainless Steel Welded Hermetic 2-Pin MIL-C-5015 Top	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. EX - Hazardous Area Approval- contact factory for specific approvals Current Rating(Relay Closed) 100 mA 100 mA Hazardous Area Approval Cl I, Div 2, Groups A, B, C, D; Cl I, Div 2, Groups A, B, C, D; Ex nL IICT3, AEx nA IICT3 Ex nL IICT3, AEx nA IICT3 Power Required 10 to 30 VDC 10 to 30 VDC Relay(Capacity) 10 to 30 VDC, 100 mA 10 to 30 VDC, 100 mA M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1) NOTES: [1] USB Programmable - See configuration sheet supplied with switch for exact setting. [2] See PCB Declaration of Conformance PS023 or PS060 for details. SUPPLIED ACCESSORIES: Model 081A41 Mounting stud 1/4-28 socket head set screw brass tip stainless steel 5/8" long (1)																
CE [2] SP US All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. IMI SENSORS A PCB PIEZOTRONICS DIV. 3425 Walden Avenue, Depew, NY 14043 Phone: 800-959-4464 Fax: 716-684-3823 E-Mail: imi@pcb.com <tr><td colspan="2">Entered: AP</td><td>Engineer: do</td><td>Sales: EGY</td><td>Approved: BAM</td></tr> <tr><td colspan="2">Date: 9/4/2012</td><td>Date: 9/4/2012</td><td>Date: 9/4/2012</td><td>Date: 9/4/2012</td></tr> <tr><td colspan="4"></td><td>40110</td></tr>					Entered: AP		Engineer: do	Sales: EGY	Approved: BAM	Date: 9/4/2012		Date: 9/4/2012	Date: 9/4/2012	Date: 9/4/2012					40110
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