

Model Number 686C01		VIBRATION SWITCH			Revision: A ECN #: 48306							
Performance		ENGLISH	SI	OPTIONAL VERSIONS								
Alarm Threshold(± 10 %)	0.25 to 5 in/sec pk	4.5 to 90 mm/s rms	[1]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount Supplied Accessory : Model M081A61 Mounting Stud 1/4-28 to M6 X 1 (1)								
Frequency Range(± 3 dB)	120 to 60 kcpm	2 to 1000 Hz										
Hysteresis(% < Alarm Threshold)	3; 6; or 10 %	3; 6; or 10 %	[1]									
Residual Vibration Level(Reference)	Dependent or Independent	Dependent or Independent	[1]									
Residual Vibration Level(% Alarm Threshold)	1 to 40 %	1 to 40 %	[1]									
MAVT(Sets Alarm Threshold to 2X actual vibration)	Enabled or Disabled	Enabled or Disabled	[1]									
Transverse Sensitivity	<7 %	<7 %										
Power On Delay(± 1 sec)	3 or 20 sec	3 or 20 sec	[1]									
Startup Delay(± 1 sec or 1 min)(Time)	1 to 60 sec or 1 to 30 min	1 to 60 sec or 1 to 30 min	[1]									
Startup Delay(x Alarm Threshold)	x2; x4; x8; Blocked	x2; x4; x8; Blocked	[1]									
Startup Delay(Active)	Enabled or Disabled	Enabled or Disabled	[1]									
Operational Delay(± 1 sec)	1 to 60 sec	1 to 60 sec	[1]									
Relay(Type)	SPST, Form A or B	SPST, Form A or B										
	MOSFET	MOSFET										
Relay(Latching)	Latching / Non-Latching	Latching / Non-Latching	[1]	NOTES: [1] USB Programmable - See configuration sheet supplied with switch for exact setting. [2] See PCB Declaration of Conformance PS096 for details.								
Relay(Contacts)	Normally Open / Closed	Normally Open / Closed	[1]									
Environmental												
Temperature Range(Operating)	-40 to 185 °F	-40 to 85 °C										
Temperature Range(Storage)	-40 to 257 °F	-40 to 125 °C										
Overload Limit(Shock)	5000 g pk	49,050 m/s² pk										
Enclosure Rating	IP68	IP68										
Electrical												
Power Required	24 to 240 V DC/AC 50/60 Hz	24 to 240 V DC/AC 50/60 Hz										
Current Rating(Relay Closed)	500 mA	500 mA										
Leak Current(Relay Open)	≤ 1 mA	≤ 1 mA										
Electrical Isolation(Case)	>10 ⁸ Ohm	>10 ⁸ Ohm										
Physical												
Size (Hex x Height)	1.25 in x 2.6 in	1.25 in x 66 mm										
Weight	5.2 oz	148 gm										
Mounting Torque	3 to 5 ft-lb	4 to 7 Nm										
Mounting Thread	1/4-28 Female	1/4-28 Female										
Sensing Element(Internal)	Piezoelectric Accelerometer	Piezoelectric Accelerometer										
Housing Material	Stainless Steel	Stainless Steel										
Sealing	Welded Hermetic	Welded Hermetic										
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015										
Electrical Connection Position	Top	Top										
 [2]  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.				Entered: LK		Engineer: BAM	Sales: MC	Approved: BAM	Spec Number:			
				Date: 5/30/2018		Date: 5/30/2018		Date: 5/30/2018		Date: 5/30/2018		55110
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