

Model Number
685AX8

MECHANICAL VIBRATION SWITCH SPECIFICATIONS

Revision: NR
ECN #:

PERFORMANCE

Vibration Range
Frequency Response

ENGLISH

0 to 7g peak
0-6000cpm

SI

0 to 68.7 m/s² peak
0-100Hz

ELECTRICAL

Alarm Function
Alarm Relay (SPDT)

Latch
5A Form C 480VAC/2A Resistive,
1A Inductive @ 30VDC

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ENVIRONMENTAL

Operating Temperature Range
Ingress Protection

-40 to +140°F
IP50

-40 to -60°C
IP50

PHYSICAL

Size (Width x Height x Depth)
Conduit Hole
Weight
Mounting Thread
Mounting Holes (4)
Sensing Element
Sensing Geometry
Housing Material
Electrical Connector
Screw Terminal Wire Size
Rating

6.38 in x 4.88 in x 5.63 in
1/2-14 NPT
4.5 lbs
Thru Hole
0.38 in
Magnet
Inertial Element
Aluminum Alloy
Removable Screw Terminals
14 AWG
Explosion Proof

162 mm x 124 mm x 143 mm
N/A
2.04 kg
Thru Hole
10 mm
Magnet
Inertial Element
Aluminum Alloy
Removable Screw Terminals
2.5 mm²
Flame Proof

INDICATOR/CONTROLS

Alarm Setpoint
Reset Function

Control Screw
Pushbutton Switch

Control Screw
Pushbutton Switch

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.

685AX8

- 0 No remote reset (base model)
- 1 Remote reset, 350 mA @ 24VDC
- 2 Remote reset, 350 mA @ 115VAC

NOTES:

- Hazardous Area Certification**
[1] Class I, Div. 1, Group C & D.
[2] 1697235
[3] 516U

[1]



[1] [2]



[1] [3]

All specifications are at room temperature unless otherwise specified.

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In the interest of constant product improvement, we reserve the right to change specifications without notice.

Form DD030 Rev.F 2/23/99

Drawn: <i>St</i>	Engineer: <i>AS</i>	Sales: <i>SG</i>	Approved: <i>NS</i>	Spec Number:
Date: <i>9-18-06</i>	Date: <i>9/18/06</i>	Date: <i>9/20/06</i>	Date: <i>9/20/06</i>	33523



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