

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

Latch

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

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

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

[1]

INDICATOR/CONTROLS

Alarm Setpoint
Reset Function

Control Screw
Pushbutton Switch

Control Screw
Pushbutton Switch

NOTES:

Hazardous Area Certification

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



[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>AB</i>	Sales: <i>SG</i>	Approved: <i>NF</i>	Spec Number:
Date: 9-18-06	Date: 9/18/06	Date: 9/20/06	Date: 9/20/06	33523

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