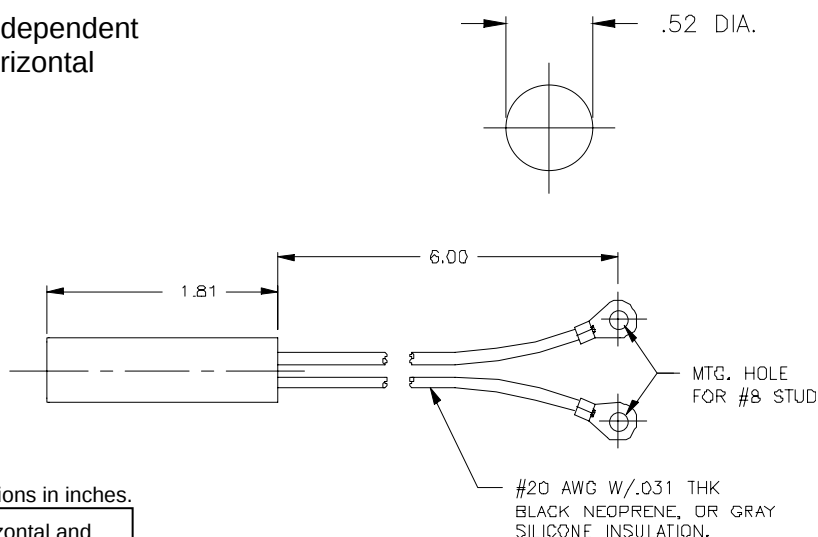


# Part No: G5Z-003 – G5 Series Tilt Switch - Mercury

# DURAKOOL

- Features:**
- \* Insulated
  - \* Form: NO/NC/SPST/Mount dependent
  - \* Angles Referenced from Horizontal
  - \* Hermetically Sealed
  - \* Small Package Size
  - \* Narrow Included Angle
  - \* High Current Capability
  - \* Low Contact Resistance
  - \* Long Life



Drawing dimensions in inches.

Tilt switches "make" when the electrode is tilted below horizontal and "break" when tilted above the horizontal. Total travel from "make" to "break" is the "Maximum included angle" shown below. The component to which the switch is attached must have a total tilt angle greater than the "Maximum included angle" for proper operation.

|                                                 |                                                                                                                  |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Maximum included Angle* :                       | 11°                                                                                                              |
|                                                 | * Switching occurs when body axis is near horizontal                                                             |
| <b>Switch Ratings:</b>                          |                                                                                                                  |
| Max Switching Voltage                           | 240V                                                                                                             |
| Max Switching Current                           | 120VAC / 7A, 240VAC / 5A : 120VDC / 5A, 240VDC / 4A : Tungsten<br>240V / 700W: 0.33HP / 480VAC, 0.25HP / 240 VDC |
| Initial Contact Resistance (Max).               | 3 milli Ohms                                                                                                     |
| Stand Off Voltage (contact to contact)          | 1500V                                                                                                            |
| (contact to ground)                             | 5000V                                                                                                            |
| Operating Temperature                           | -38° to 220°F / -38° to 105°C                                                                                    |
| Storage Temperature                             | -40° to 356°F / -40° to 180° C                                                                                   |
| Typical number of operations at specified load  | 10,000,000                                                                                                       |
| G-Force Activation G-Level/Range                | N/A                                                                                                              |
| <b>Dimensions:</b>                              |                                                                                                                  |
| Weight per 100pcs. Lbs / Kgs:                   | 4.45 / 2.02                                                                                                      |
| Body Length (less leads). Inches / Millimeters: | 1.81 / 46.0                                                                                                      |
| Maximum Diameter. Inches / Millimeters:         | 0.52 / 13.7                                                                                                      |
| <b>Materials:</b>                               |                                                                                                                  |
| Lead Wire Type                                  | #20AWG Silicone Insulated                                                                                        |
| Lead wire length/skive/termination              | 6 in / Ring Terminal with 0.17 dia. hole                                                                         |
| Finish:                                         | Cotton Insulated                                                                                                 |



© American Electronic Components Inc 2006

**American Electronic Components Inc.,**  
**1101 Lafayette Street, Elkhart, Indiana. USA**  
**Tel: +1-574-295-6330 Fax: +1-574-293-8013**  
**Email: [sales@aecsensors.com](mailto:sales@aecsensors.com)**  
**<http://www.aecsensors.com>**