

Item Number PRX+9100 Series Contact Form A Switch Configuration SPST Rev. H

### Form A High Power Proximity Sensor

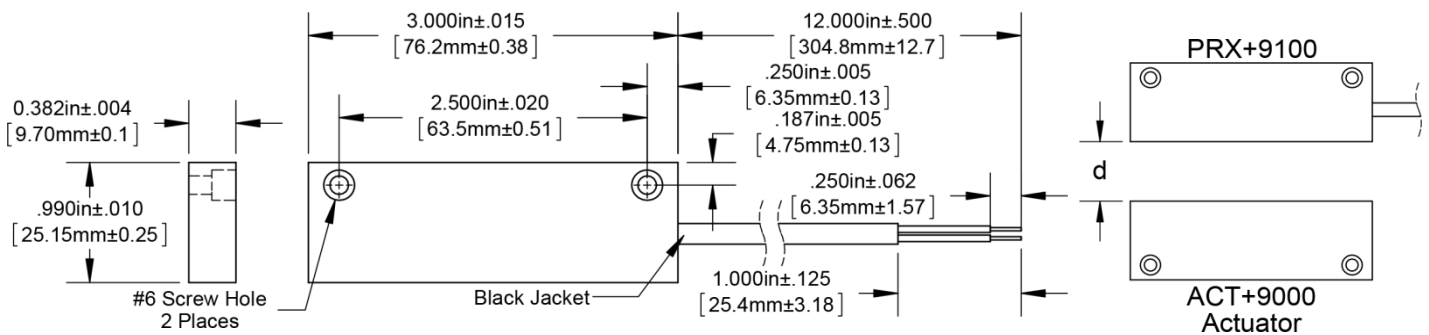
| Features   | Advantages  |
|--|---|
| <ul style="list-style-type: none"> <li>Hermetically sealed contacts</li> <li>Jacketed cable</li> <li>RoHS compliant</li> </ul> | <ul style="list-style-type: none"> <li>Extended operations in extreme environments</li> <li>Not ESD sensitive</li> <li>Custom sensitivity and configurations available</li> <li>UL94 Flame rated black ABS housing</li> </ul> |

### Electrical Specifications

|             |                            |                 |             |
|-------------|----------------------------|-----------------|-------------|
| Power       |                            | Watts - maximum | 25          |
| Voltage     | Switching                  | VDC - maximum   | 250         |
|             | Breakdown                  | VDC - minimum   | 300         |
| Current     | Switching                  | Amp - maximum   | 1           |
|             | Carry                      | Amp - maximum   | 7           |
| Resistance  | Initial Contact Resistance | Ohm - maximum   | 0.3         |
|             | Insulation Resistance      | Ohm - minimum   | 1 E10       |
| Capacitance | Contact                    | pF - typical    | 1.1         |
| Temperature | Operating                  | °C - maximum    | +80         |
|             | Storage                    | °C              | -40 to +105 |

### Physical/Operational Specifications

|                     |                      |                    |       |
|---------------------|----------------------|--------------------|-------|
| Housing Volume      | Excluding Connection | CC - nominal       | 18.6  |
| External Connection | 22 AWG               | UL 2464            | PVC   |
| Must Operate        | Distance (d)         | Inches             | 0.750 |
| Must Release        | Distance (d)         | Inches             | 1.500 |
| Operate Time        | Including Bounce     | mSeconds - maximum | 2.5   |
| Release Time        |                      | mSeconds - maximum | 2     |



#### Notes:

- Specifications are not constant across entire magnetic range.
- Customer must exercise care in handling and mounting to prevent damage to internal components and subsequent changes to sensor performance.
- For information about performance, custom configuration (i.e. wire length or color; connectors; operational variation), or packaging contact our Sales Department.
- Information contained hereon is for information purposes only and should not be deemed as accurate for a specific application. Consult factory for specific application information and/or latest revision.