

Item Number PRX+21465 Series Contact Form C Switch Configuration SPDT Rev. C

### Extreme Temperature Proximity Sensor

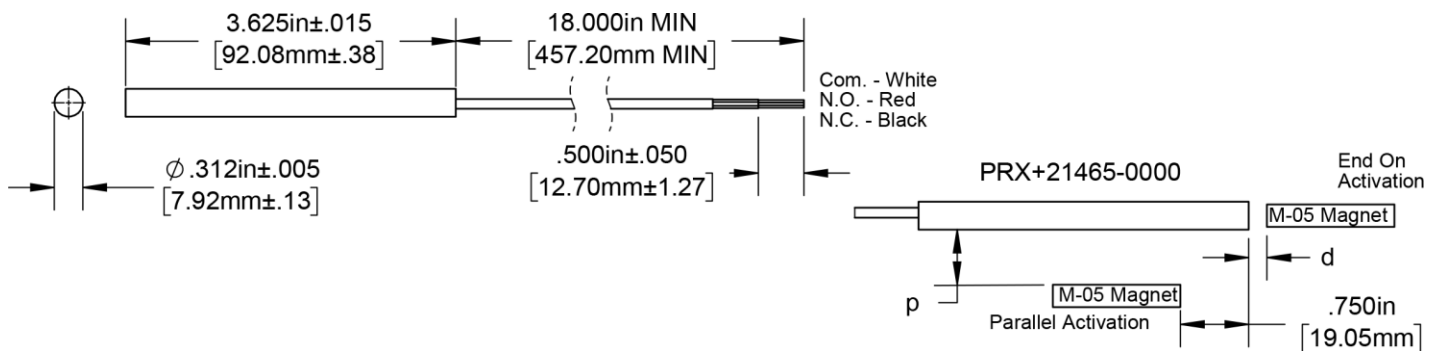
| Features   | Advantages  |
|--|---|
| <ul style="list-style-type: none"> <li>Engineered for use at extreme temperatures</li> <li>Hermetically sealed Tungsten contacts</li> <li>Materials are Lead free and RoHS compliant</li> <li>No electrical power required to operate</li> </ul> | <ul style="list-style-type: none"> <li>Extended operations in extreme environments</li> <li>Custom sensitivity and configurations available</li> <li>Durable stainless steel housing</li> <li>Cable flame rating: NFPA 262/FT6</li> </ul> |

### Electrical Specifications

|             |                            |                 |            |
|-------------|----------------------------|-----------------|------------|
| Power       |                            | Watts - maximum | 100        |
| Voltage     | Switching                  | VDC - maximum   | 120        |
|             | Breakdown                  | VDC - minimum   | 150        |
| Current     | Switching                  | Amp - maximum   | 3.0        |
|             | Carry                      | Amp - maximum   | 3.6        |
| Resistance  | Initial Contact Resistance | Ohm - maximum   | 0.5        |
|             | Insulation Resistance      | Ohm - minimum   | 1 E10      |
| Capacitance | Contact                    | pF - typical    | 1.6        |
| Temperature | Operating                  | °C - maximum    | -60 to 200 |
|             | Storage                    | °C              | -60 to 200 |

### Physical/Operational Specifications

|                     |                      |                    |            |
|---------------------|----------------------|--------------------|------------|
| Housing Volume      | Excluding Connection | CC - nominal       | 4.542      |
| External Connection | 18 AWG               | CL2P/CMP           | FEP        |
| Must Operate        | Distance (d/p)       | Inches             | .100/.750  |
| Must Release        | Distance (d/p)       | Inches             | .500/1.150 |
| Operate Time        | Including Bounce     | mSeconds - maximum | 4.00       |
| Release Time        |                      | mSeconds - maximum | 3.90       |



#### Notes:

- Customer must exercise care in handling and mounting to prevent damage to internal components and subsequent changes to sensor performance.
- For information about performance, mounting options, custom configurations (e.g. wire length or color, connectors, operational variation) or packaging contact our Sales department.
- Information contained hereon is for informational purposes only and should not be deemed as accurate for a specific application. Consult factory for specific application information and/or latest revision.