

Part Number PRX+155900 Contact Form A Switch Configuration SPST Rev. A

### Surface Mount Proximity Sensor

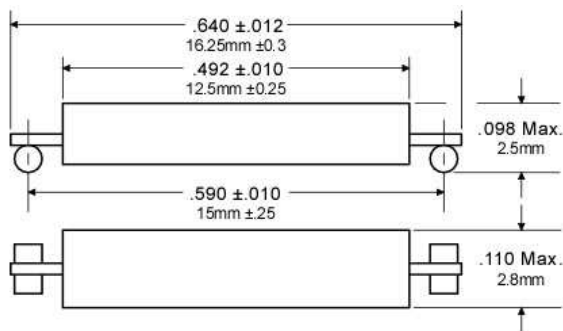
Features	Advantages
<ul style="list-style-type: none"> <li>• Hermetically sealed contacts</li> <li>• Magnetically operated</li> <li>• No electrical power required to operate</li> <li>• Sensing &amp; switching functions in one package</li> <li>• Ruthenium contacts</li> </ul>	<ul style="list-style-type: none"> <li>• Extended operations in extreme environments</li> <li>• Not ESD sensitive</li> <li>• No physical contact required to operate</li> <li>• Pick and place capabilities</li> </ul>

### Electrical Specifications

Power		Watts - maximum	10
Voltage	Switching	VDC - maximum	180
	Breakdown	VDC - minimum	200
Current	Switching	Amp - maximum	0.7
	Carry	Amp - maximum	1.0
Resistance	Initial Contact Resistance	Ohm - maximum	1
	Insulation Resistance	Ohm - minimum	1 E9
Capacitance	Contact	pF - typical	0.5
Temperature	Operating	°C - maximum	-40 to +125
	Storage	°C	-40 to +125

### Physical/Operational Specifications

Housing Volume	Excluding Connection	CC - nominal	0.063
External Connection		Solder Pads	Gold
Pull - In Range		Ampere Turns	10-15
Drop Out		Ampere Turns	4 Min.
Operate Time	Including Bounce	mSeconds - maximum	0.5
Release Time		mSeconds - maximum	0.3



- Notes:
- (1) Specifications are not constant across entire magnetic range.
  - (2) Customer must exercise care in handling and mounting to prevent damage to internal components and subsequent changes to sensor performance.
  - (3) For information about performance, custom configuration (i.e. wire length or color; connectors; operational variation), or packaging contact our Sales department.
  - (4) 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.