

Part Number PRX+2552 Contact Form A Switch Configuration SPST Rev. C

### World's Smallest Surface Mount Overmolded Reed Switch

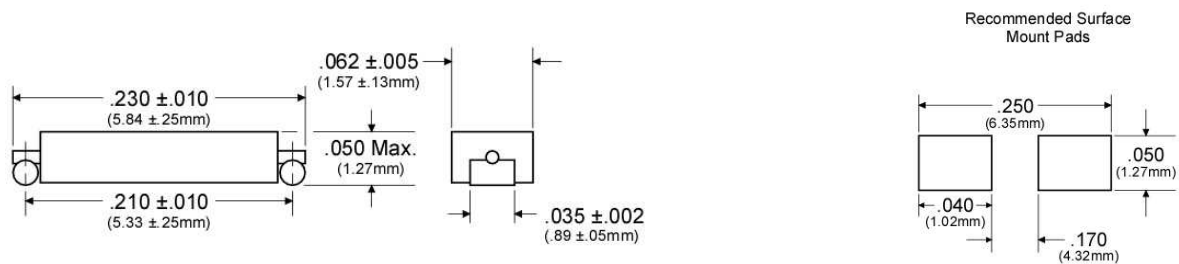
Features	Advantages
<ul style="list-style-type: none"> <li>• Hermetically sealed contacts</li> <li>• Sensor materials are lead free and RoHS compliant</li> <li>• Plaskon S-7 overmold material</li> <li>• No electrical power required to operate</li> <li>• Lowest profile magnetic contact sensor</li> </ul>	<ul style="list-style-type: none"> <li>• Extended operations in extreme environments</li> <li>• Not ESD sensitive</li> <li>• Pick-and-place capable</li> <li>• Hi-Rel version available</li> <li>• Custom sensitivity &amp; configurations available</li> <li>• External Gold plating available</li> </ul>

### Electrical Specifications

Power		Watts – maximum	0.25
Voltage	Switching	VDC – maximum	30
	Breakdown	VDC – minimum	80
Current	Switching	Amp – maximum	0.01
	Carry	Amp – maximum	TBD
Resistance	Initial Contact Resistance	Ohm – maximum	1.0
	Insulation Resistance	Ohm – minimum	1 E11
Capacitance	Contact	pF – typical	0.7
Temperature	Operating	°C – maximum	-40 to +125
	Storage	°C	-40 to +200

### Physical/Operational Specifications

Housing Volume	Excluding Connection	CC – nominal	0.007
External Connection		Alloy 52 Bars	Tin Plated
Must Operate	Field Strength	mT – maximum	3.75
Must Release	Field Strength	mT – minimum	1.75
Operate Time	Including Bounce	mSeconds – maximum	0.3
Release Time		mSeconds – maximum	0.2



- 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.