

Item Number PRX+2450 Series Contact Form A Switch Configuration SPST Rev. B

Form A Micro Miniature Surface Mount Proximity Sensor

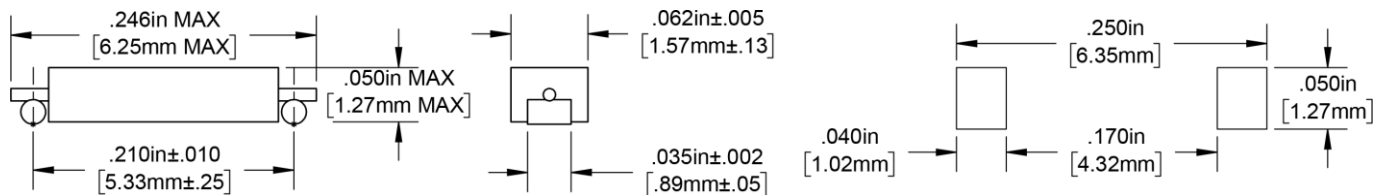
Features	Advantages
<ul style="list-style-type: none"> • Hermetically sealed Rhodium contacts • Plaskon S-7 overmold material • Materials are Lead free and RoHS compliant • No electrical power required to operate 	<ul style="list-style-type: none"> • Pick and place capabilities • Medical implantable grade available • Custom sensitivities available • Not ESD sensitive

Electrical Specifications

Power		Watts - maximum	0.5
Voltage	Switching	VDC - maximum	30
	Breakdown	VDC - minimum	80
Current	Switching	Amp - maximum	0.01
	Carry	Amp - maximum	0.7
Resistance	Contact Resistance	Ohm - maximum	1.0
	Insulation Resistance	Ohm - maximum	1 E11
Capacitance	Contact	pF - typical	0.70
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	3.50
Must Release	Field Strength	mT - minimum	0.75
Operate Time	Including Bounce	mSeconds - maximum	0.30
Release Time		mSeconds - maximum	0.20



Notes:

- (1) Specifications are not constant across entire magnetic range.
- (2) 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.
- (3) Customer must exercise care in handling and mounting to prevent damage to internal components and subsequent changes to sensor performance.
- (4) The overmold is to facilitate handling and pick and place operations. The surface finish and texture may vary, small voids are acceptable.
- (5) Sensitivity may change with series I.D.

Example: PRX+2450-0001
 Must Operate: 2.50
 Must Release: .50