

Item Number PRX+2420 Series Contact Form A Switch Configuration SPST Rev. B

Form A Micro Miniature Surface Mount Proximity Sensor

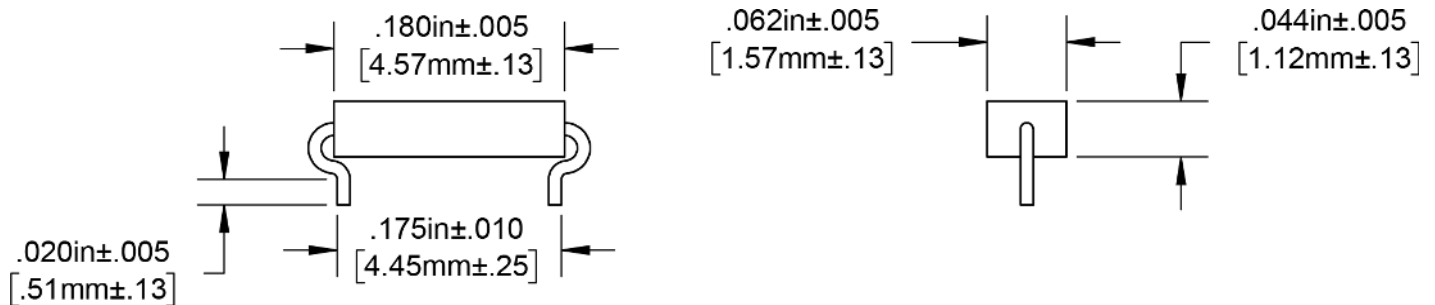
Features	Advantages
<ul style="list-style-type: none"> • Hermetically sealed Rhodium contacts • Plaskon S-7 overmold material • Materials are Lead free and RoHS compliant • No electrical power required to operate • Designed for PCB through-hole mounting 	<ul style="list-style-type: none"> • Pick and 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	Initial Contact Resistance	Ohm - maximum	0.75
	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 Leads	Tin
Initial Switch Pull-In		Ampere Turns	2-15
		NARM RS-421-A	Coil 1
Operate Time	Including Bounce	mSeconds-maximum	0.30
Release Time		mSeconds-maximum	0.20



Notes:

- (1) Pull-in range is the initial, pre-modification specification.
- (2) Specifications are 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 for pick and place operations. The surface finish and texture may vary (small voids are acceptable).