HSI SENSING
HERMETIC SWITCH INC.

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Item Number **PRX+1800 Series** Contact Form B Switch Configuration SPST Rev. H

Form B Cylindrical Proximity Sensor

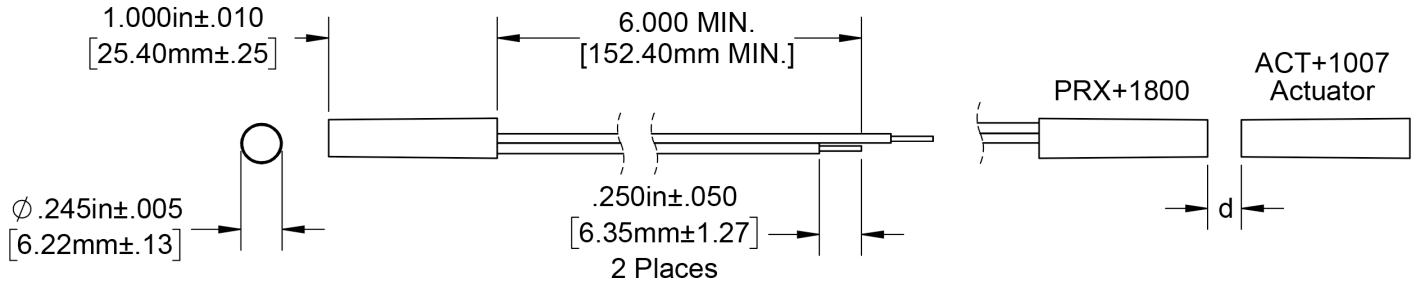
Features	Advantages
• Hermetically sealed Rhodium contacts	• Extended operations in extreme environments
• Materials are Lead free and RoHS compliant	• Not ESD sensitive
• Designed for 1/4" diameter hole	• Custom sensitvity and configurations available
• SPST Normally Closed Contact (Form B)	• UL94 flame rated black Valox housing
• UL recognized component	

Electrical Specifications

Power		Watts - maximum	3
Voltage	Switching	VDC - maximum	120
	Breakdown	VDC - minimum	300
Current	Switching	Amp - maximum	0.25
	Carry	Amp - maximum	2.6
Resistance	Initial Contact Resistance	Ohm - maximum	0.25
	Insulation Resistance	Ohm - minimum	1 E9
Capacitance	Contact	pF - typical	1.7
Temperature	Operating	°C - maximum	+105
	Storage	°C	-40 to +140

Physical/Operational Specifications

Housing Volume	Excluding Connection	CC - nominal	0.77
External Connection	22AWG	UL 1007/1569	PVC
Must Operate	Distance (d)	Inches	0.200
Must Release	Distance (d)	Inches	0.550
Operate Time	Including Bounce	mSeconds - maximum	1.00
Release Time		mSeconds - maximum	0.80



Notes:

(1) Customer must exercise care in handling and mounting to prevent damage to internal components and subsequent changes to sensor performance.

(2) For information about performance, mounting options, custom configurations (e.g. wire length or color, connectors, operational variation) or packaging contact our Sales department.

(3) 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.