

Part Number PRX+2501 Contact Form A Switch Configuration SPST Rev. A

Overmolded Proximity Sensor

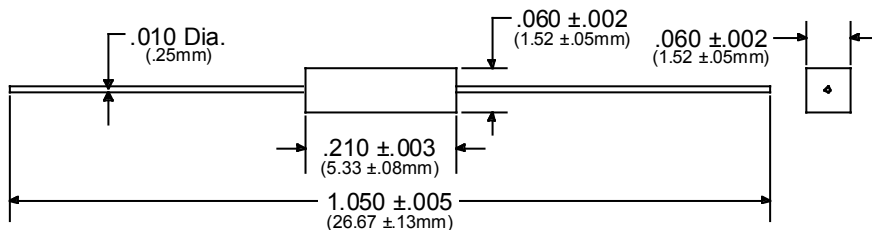
Features	Advantages
<ul style="list-style-type: none"> • Hermetically sealed contacts • No electrical power required to operate • Sensor materials are lead free and RoHS compliant • Plaskon S-7 overmold material • Rhodium plated contacts 	<ul style="list-style-type: none"> • Extended operating in extreme environments • Not ESD sensitive • Pick-and-place available • Hi-Rel version available • Custom sensitivity & configurations available

Electrical Specifications

Power		Watts - maximum	1
Voltage	Switching	VDC - maximum	30
	Breakdown	VDC - minimum	200
Current	Switching	Amp - maximum	0.05
	Carry	Amp - maximum	1
Resistance	Initial Contact Resistance	Ohm - maximum	0.75
	Insulation Resistance	Ohm - minimum	1 E9
Capacitance	Contact	pF - typical	0.3
Temperature	Operating	°C - maximum	-40 to +125
	Storage	°C	-40 to +200

Physical/Operational Specifications

Housing Volume	Excluding Connection	CC - nominal	0.012
External Connection			Tin or Gold Plated
Pull-In Range		Ampere Turns	5-20
Test Coil		NARM RS-421-A	Coil 1
Operate Time	Including Bounce	mSeconds - maximum	0.2
Release Time		mSeconds - maximum	0.1



- 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.