

Part Number PRX+2451 Contact Form A Switch Configuration SPST Rev. E

World's Smallest and Most Magnetically Sensitive Overmolded Reed Switch

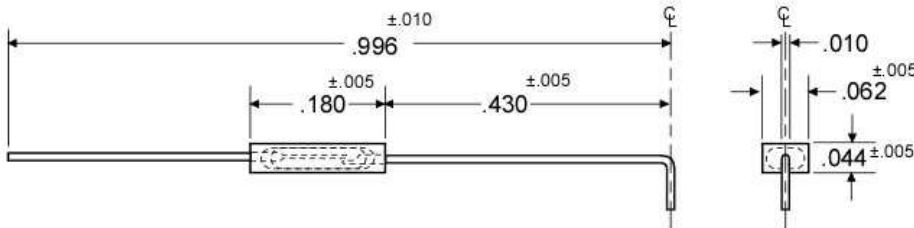
Features	Advantages
<ul style="list-style-type: none"> • Hermetically sealed contacts • Sensor materials are lead free and RoHS compliant • No electrical power required to operate • Plaskon S-7 overmold material 	<ul style="list-style-type: none"> • Extended operations in extreme environments • Not ESD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

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	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 or Gold Plated
Pull-In Range		Ampere Turns	2-15
Test Coil		NARM RS-421-A	Coil 1
Operate Time	Including Bounce	mSeconds – maximum	0.3
Release Time		mSeconds – maximum	0.2



- Notes:
- (1) Specifications are not constant across entire magnetic range. Surface finish and texture may vary.
 - (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.