

High Power

| Part# PRX+ | 9100 | 9200 | 9300 | 9125 | 9225 | 9325 | 9150 | 9250 | 9350 |
|----------------------------------|----------------------|----------------------|--|----------------------|----------------------|--|----------------------|----------------------|--|
| CONTACT FORM | FORM A | FORM B | FORM C | FORM A | FORM B | FORM C | FORM A | FORM B | FORM C |
| | SPST-NO | SPST-NC | SPDT | SPST-NO | SPST-NC | SPDT | SPST-NO | SPST-NC | SPDT |
| SWITCHING RATING | | | | | | | | | |
| VOLTS DC MAX | 250 | 150 | 150 | 120 | 120 | 120 | 300 | 300 | 300 |
| AMPS DC MAX | 1.0 | 1.0 | 1.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| WATTS DC MAX | 15 | 25 | 25 | 100 | 100 | 100 | 200 | 100 | 100 |
| VOLTAGE HOLDOFF (DC) MIN. | 300 | 300 | 300 | 300 | 150 | 150 | 300 | 300 | 300 |
| INITIAL RESISTANCE (OHMS) | .30 | .30 | .30 | .70 | .70 | .70 | .70 | .70 | .70 |
| OPERATING TEMP RANGE (°C) | +80 | +80 | +80 | +80 | +80 | +80 | +80 | +80 | +80 |
| D-MUST OPERATE (INCH) | .750 | .750 | .750 | .750 | .750 | .750 | .500 | .500 | .500 |
| D-MUST RELEASE (INCH) | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |
| WIRE COLOR/AWG | WHT/22 | RED/22 | RED-N. C/22 WHT-N. O/22 BLK- COM/22 | WHT/22 | RED/22 | RED-N. C./22 WHT-N. O./22 BLK- COM/22 | WHT/22 | RED/22 | RED-N. C/22 WHT-N. O/22 BLK- COM/22 |
| ACTUATOR PART NO. | 9000ACT | 9000ACT | 9000ACT | 9000ACT | 9000ACT | 9000ACT | 9000ACT | 9000ACT | 9000ACT |
| NOTES: | | | | | | | | | |

Part Number **PRX+9125** Contact Form A Switch Configuration SPST Rev. D

High Power Proximity Sensor

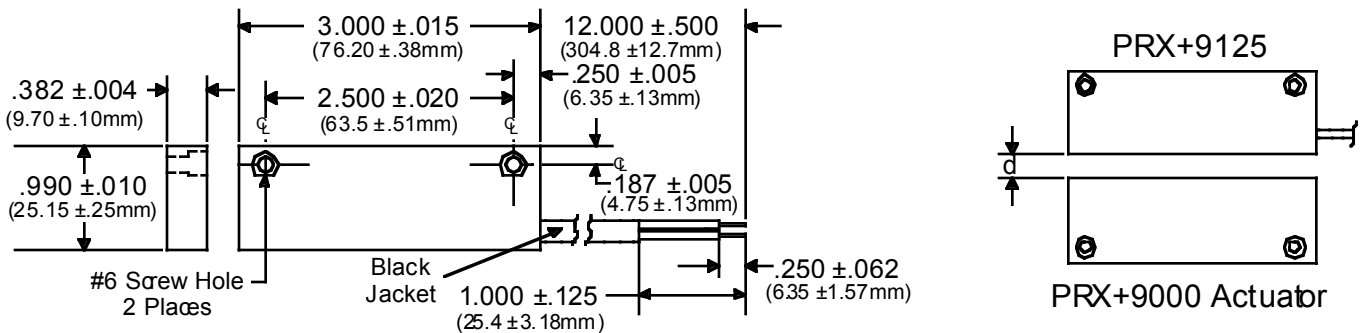
| Features | Advantages |
|--|---|
| <ul style="list-style-type: none"> • Hermetically sealed contacts • Jacketed cable • Tungsten contacts • Black ABS Housing | <ul style="list-style-type: none"> • Extended operations in extreme environments • Not ESD sensitive • Custom sensitivity and configurations available • High power switching capability • Housing material flame rating: UL94 |

Electrical Specifications

| | | | |
|-------------|----------------------------|-----------------|-------------|
| Power | | Watts - maximum | 100 |
| Voltage | Switching | VDC - maximum | 120 |
| | Breakdown | VDC - minimum | 300 |
| Current | Switching | Amp - maximum | 3 |
| | Carry | Amp - maximum | 4 |
| Resistance | Initial Contact Resistance | Ohm - maximum | 0.7 |
| | Insulation Resistance | Ohm - minimum | 1 E8 |
| Capacitance | Contact | pF - typical | 1.4 |
| Temperature | Operating | °C - maximum | +80 |
| | Storage | °C | -40 to +105 |

Physical/Operational Specifications

| | | | |
|---------------------|----------------------|--------------------|-------|
| Housing Volume | Excluding Connection | CC - nominal | 18.6 |
| External Connection | 22 AWG | UL 2464 | PVC |
| Must Operate | Distance (d) | Inches | 0.750 |
| Must Release | Distance (d) | Inches | 1.500 |
| Operate Time | Including Bounce | mSeconds - maximum | 3.20 |
| Release Time | Including Bounce | mSeconds - maximum | 1.20 |


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.