



## Switching, Sensing and Control Solutions

from GENTECH INTERNATIONAL LTD  
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# PS5 Series

## Plastic Cylindrical Position Sensor

### Design Features

- + Magnetic Reedswitch
- + Robust Construction
- + Glass filled 30%, Nylon Housing
- + Fully Potted
- + Easy Installation
- + Two package lengths
- + Repeatable and Reliable
- + Temperature range -30 to + 130°C

### Part Number

#### **PS- 501**

*Cylindrical Package*  
 31.75 mm (1.25") long,

*by 6.16mm (0.24") dia.*

#### **PS- 511**

*Cylindrical Package*  
 25.4 mm (1.0") long,

*by 6.16mm (0.24") dia.*

### Applications

- + Security switching
- + Interlocking
- + Pulse generation
- + Material Handling
- + Actuator positioning

### Operating Characteristics

#### Contact Configuration

		PS- 501	PS- 511
		SPST	SPST
Contact ratings maximum (resistive load)	Volts DC	500	300
	Volts AC	250	250
	Amps	1.0	1.0
	Watts	15	10
Maximum withstand across open contacts	Volts DC	800	600
Initial contact resistance	Ohms	0.25	0.25

The above contact ratings are for resistive loads, for inductive, capacitive and tungsten filament lamp loads, refer to the circuit protection notebook

### Environmental Specifications

HOUSING MATERIAL	30% Glass filled Nylon
OPERATING TEMPERATURE	- 30 to +130°C

### Mechanical Specifications

#### **Shock**

50g for 11 ms  
 duration  
 (reedswitch only)

#### **Vibration**

35g up to 500 Hz  
 (reedswitch only)

### Electrical Connections

Fitted with 2 x 0.5 metres of single insulated 7/0.2mm PVC insulated cable

## **Installation & Applications**

Please contact our Technical Sales Team for Installation details or assistance related to the application of this sensor



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