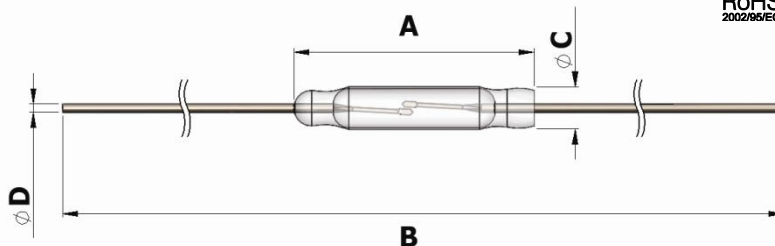




# GP501 Reed Switch



## Contact Information:

Standex-Meder Electronics  
World Headquarters  
4538 Camberwell Road  
Cincinnati, OH 45209 USA

Standex Americas (OH)  
+1.866.STANDEX  
(+1.866.782.6339)  
info@standexelectronics.com

Meder Americas (MA)  
+1.800.870.5385  
salesusa@standexmeder.com

Standex-Meder Asia (Shanghai)  
+86.21.37820625  
salesasia@standexmeder.com

Standex-Meder Europe (Germany)  
+49.7731.8399.0  
info@standexmeder.com

- Professional grade sub miniature reed switch with PGM alloy contacts
- Designed for General Purpose
- Useful for security system applications and other magnetic systems requiring long operating distances with permanent magnets

## Physical Characteristics

<b>A</b>	<b>Glass Length (Max.)</b>	12.7 mm
<b>B</b>	<b>Overall Length (Max.)</b>	54 mm
<b>C</b>	<b>Glass Diameter (Max.)</b>	2.3 mm
<b>D</b>	<b>Lead Diameter (Nom.)</b>	0.45 mm

## Electrical Characteristics

<b>Contact Arrangement</b>	Form A (SPST), Centre Gap
<b>Contact Material</b>	PGM alloy
<b>Power Rating (Max.)<sup>1</sup></b>	10 Watts
<b>Switching Current (Max.) DC or Peak AC</b>	0.5 A
<b>Carry Current (Max.) DC or Peak AC</b>	1 A
<b>Switching Voltage (Max.) DC or Peak AC</b>	200 VDC
<b>Breakdown Voltage (Min. @20AT)<sup>2</sup></b>	250 VDC
<b>Contact Resistance (Max.)</b>	100 Milliohms
<b>Insulation Resistance (Min.)</b>	10 <sup>12</sup> Ohms
<b>Contact Capacitance (Max.) @10 kHz across open switch</b>	0.3 pf

1. The specification for VA rating may sometimes be exceeded for less sensitive (higher AT) switches, and should be decreased for very sensitive (lower AT) switches. Standex-Meder Electronics will run life tests specific to a customer's load upon request.
2. Switch leakage current is limited to 100 microamperes

**Operating Characteristics**

<b>Magnetic Sensitivity (Pull-In excitation)</b>	7 to 35 Ampere Turns
<b>Hysteresis</b>	Refer to Chart 2
<b>Operate Time, including bounce (typ.)</b>	0.5 Milliseconds
<b>Release Time (typ.)</b>	0.1 Milliseconds
<b>Vibration, 10-2,000 Hz (G's Max.)</b>	50 G
<b>Shock, 11-ms. 1/2 Sine wave (G's Max.)</b>	100 G
<b>Operating Temperature</b>	-40°C to + 125°C
<b>Storage Temperature</b>	-50°C to + 155°C
<b>Wave Soldering Temperature (5 sec max)</b>	260°C

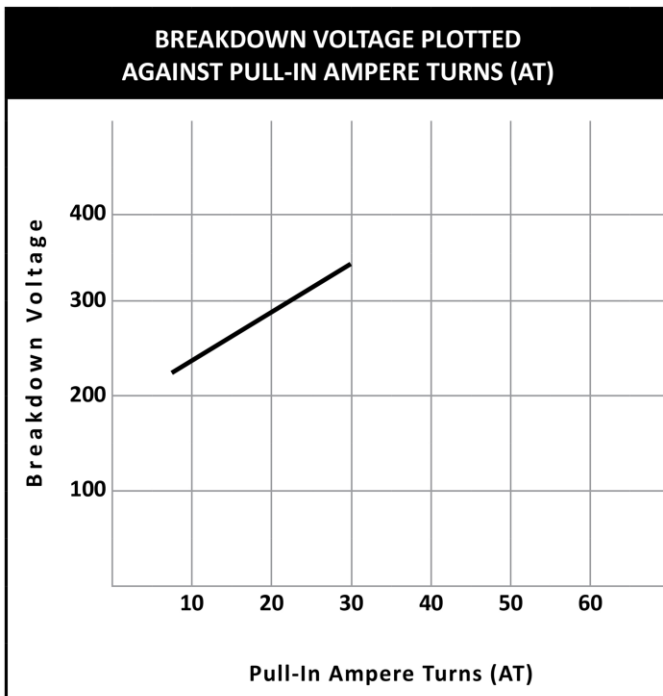


Chart 1

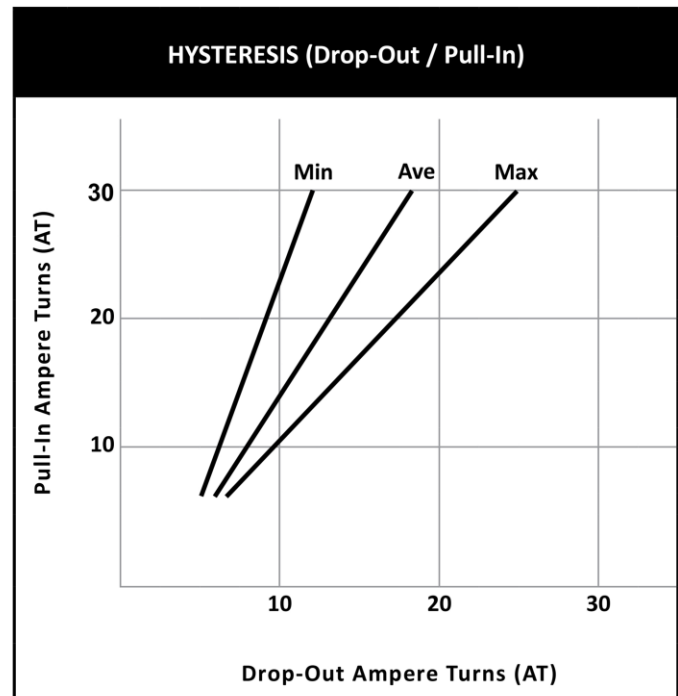


Chart 2