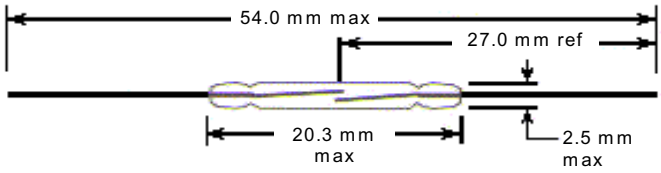
PR126 Reed Switch

Standex Electronics

Tomorrow's Solutions Today

- High voltage high power applications reed switch with rhodium contacts
- Designed to give superior life switching relatively heavy loads

Physical Characteristics



Glass Diameter (Max.)	2.5 mm
Glass Length (Max.)	20.3 mm
Lead Dia. (Nominal)	0.7 mm
Overall Length (Max.)	54.0 mm

Electrical Characteristics

Contact Arrangement	Form A (SPST), Centre Gap
Contact Material	Rhodium
Power Rating [1]	70VA maximum
Switching Current (Max.)	1.5 Amp. DC, 1.5 Amp. AC
Carry Current (Max.)	2.5 Amp. DC, 2.5 Amp. AC
Switching Voltage (Max.)	200 VDC, 300 VAC
Breakdown Voltage (Min. @20AT) [2]	750 Volts DC
Contact Resistance [3]	100 Milliohms
Insulation Resistance (Min.)	10^{12} ohms
Contact Capacitance (pf Max.)	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 Electronics will run life tests specific to a customers load upon request.
2) Breakdown voltage is measured in the presence of a radioactive ionising source. Switch leakage current is limited to 100 microamperes.
3) Contact resistance measurements are made at 10ma from a 1-volt source, with 50% overdrive, using a 4-wire (Kelvin) measuring system. Contact probes are located on 43mm centres.

Minimum Switching Life with Standard Test Loads, using 20AT switch

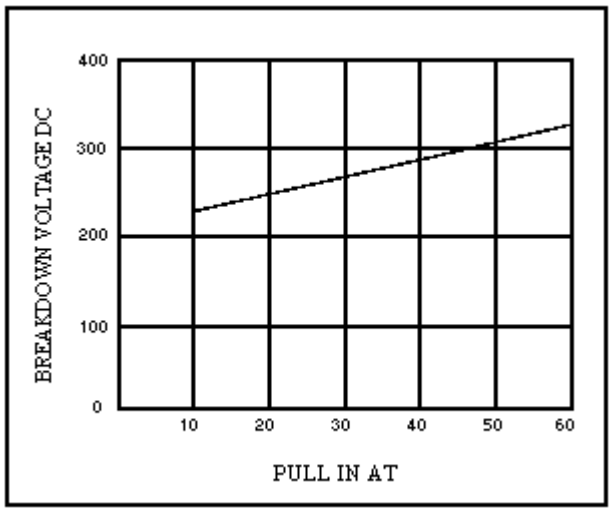
Voltage	24 VDC	100 VDC	125 VAC	240 VDC	240 VAC
Current	10 mA	100 mA	80 mA	40 mA	40 VA lamp load, 5 sec period, 10% duty cycle
Life	5×10^6	1×10^6	1×10^6	2×10^5	5×10^5

Note: End of life is defined as contact resistance exceeding one ohm and/or failure to operate.

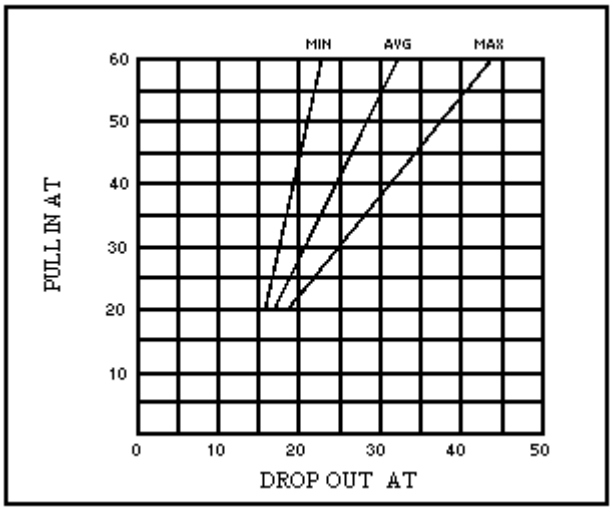
Operating Characteristics

Magnetic Sensitivity (Range - Pull In)	20 to 50 Ampere Turns
Magnetic Senility (Range – Drop Out)	(See chart below)
Operate Time, including bounce (typ.)	0.8 Milliseconds
Release Time (typ.)	0.1 Milliseconds
Resonant Frequency (typ.)	2.2 kHz
Vibration, 10-2,000 Hz (G's Max.)	30 G
Shock, 11-ms. 1/2 Sine wave (G's Max.)	100 G
Operating Temperature	-40°C to + 125°C
Storage Temperature	-50°C to + 155°C

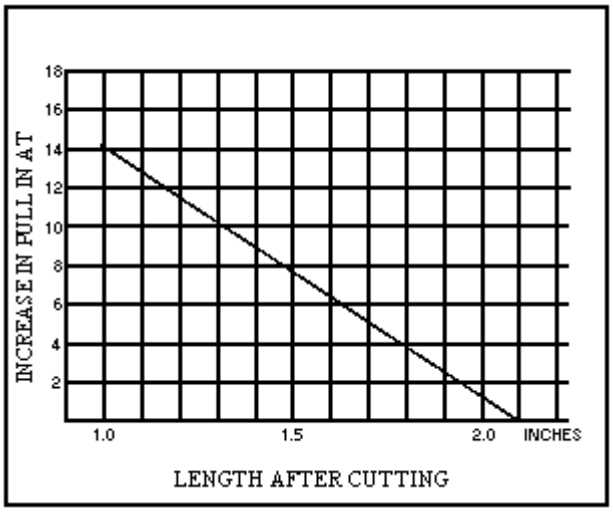
Charts



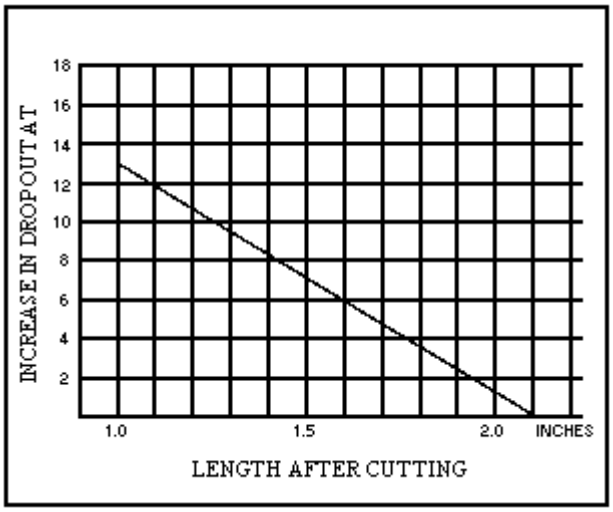
Breakdown Voltage Plotted
Against Pull-In Ampere Turns



Pull-In Ampere Turns Plotted
Against Drop-Out Ampere Turns



Change In Pull-In Ampere Turns
After Switch Lead Cutting



Change In Drop-Out Ampere Turns
After Switch Lead Cutting

淮洋有限公司 HUAI YNNG CO.,LTD. TEL:886-2-82610858