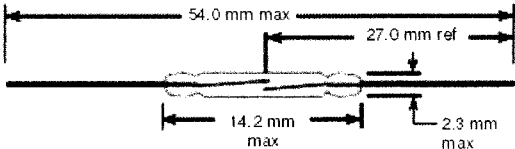


## GR560

- General-purpose miniature reed switch with rhodium contacts.
- Gives superior life switching relatively heavy loads in a miniature glass package.
- Has the ability to maintain a low contact resistance over life switching light duty logic level loads.
- Normal applications include liquid level sensors, security systems, reed relays, proximity sensors and counting devices.

### Physical Characteristics:



Glass Diameter (Max.)	2.3mm
Glass Length (Max.)	14.2mm
Lead Dia. (Nominal)	0.6 mm
Overall Length (Max.)	54.0 mm

### Electrical Characteristics:

Contact Arrangement	Form A (SPST), Centre Gap
Contact Material	Rhodium
Power Rating <sup>1</sup>	10VA maximum
Switching Current (Max.)	1.0 Amp. DC, 1.0 Amp. AC
Carry Current (Max.)	1.5 Amp. DC, 1.5 Amp. AC
Switching Voltage (Max.)	100 VDC, 125 VAC
Breakdown Voltage (Min. @20AT) <sup>2</sup>	200 Volts DC
Contact Resistance <sup>3</sup>	100 Milliohms
Insulation Resistance (Min.)	10 <sup>12</sup> ohms
Contact Capacitance (pf Max.)	0.2 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 an 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 43 mm centres.

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

Voltage	5 VDC	10 VDC	12 VDC	24 VDC	100 VDC	125 VAC
Current	2 mA	1 A	10 mA	10 mA	100 mA	80 mA
Life	100 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>	100 x 10 <sup>6</sup>	5 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>	1 x 10 <sup>6</sup>

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

© Standex Electronics Inc.

[www.StandexElectronics.com](http://www.StandexElectronics.com)