Standex MEDER ELECTRONICS

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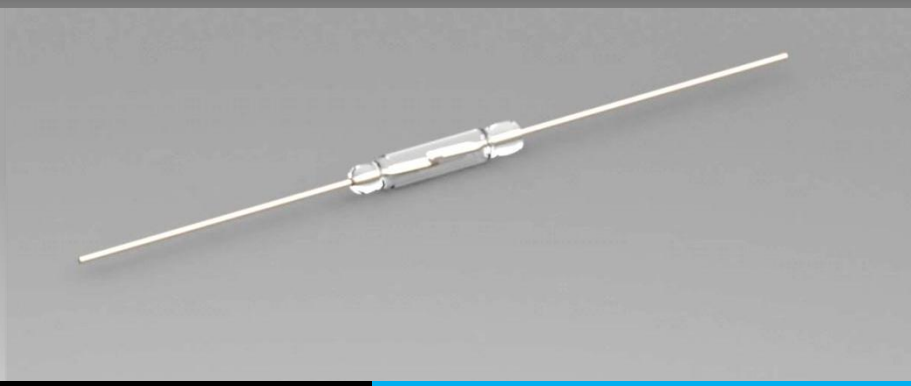
GR501 Reed Switch



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

GR501 Reed Switch

The GR501 reed switch series is available in a contact form 1A (SPST) (normally open contact), center gap and comes in an operating sensitivity range of 7-35 Ampere-turns (AT). This GR501 model has a maximum glass length of 12.7 mm, a maximum glass diameter of 2.3 mm and an overall lead length of 54 mm.

This GR501 offers excellent electrical characteristics with zero to 10 VA of rated power, switching voltage of zero to 200 volts of direct or alternating current (VDC/VAC) and switching current max of 0.5 amps (A) or carry current max of 1 amps (A). Furthermore, it has contact capacitance of less than 0.3pf, minimum insulation resistance of 10^{12} ohms (Ω) and breakdown voltage of 250 VDC (@10AT) across the contacts as well as a 100 milliohms (mΩ) contact resistance.

Typical operating and release times are 0.5 milliseconds and 0.1 milliseconds (ms) respectively. Its operating temperature ranges from -40°C to 125°C and can be stored a temperature range of -50°C to 155°C.

Features

- Dynamically tested contacts
- Hermetically sealed
- Long life
- Millions of reliable operations
- Miniature size
- No power consumption
- Zero emissions
- REACH, RoHS, UL

Applications

- Counting
- End limit detection
- Movement detection
- Position detection
- Presence sensing
- Proximity sensing
- Rotation sensing
- Speed sensing

Markets

Including but not limited to: White Goods, Consumer, HVAC&R, Industrial, Household, Telecommunications, Security, Fluid Flow, Food Service

RoHS 2002/95/EC REACH Compliant