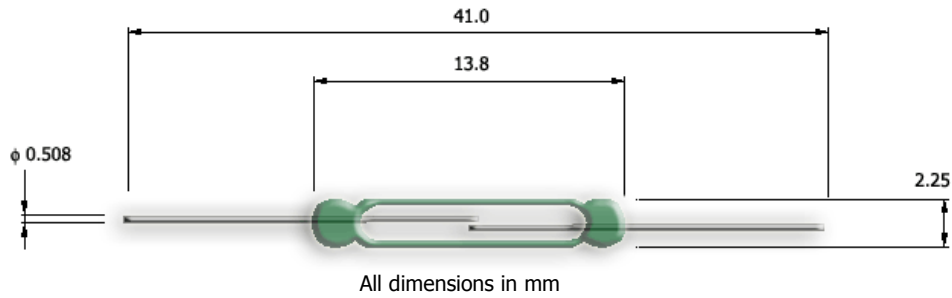


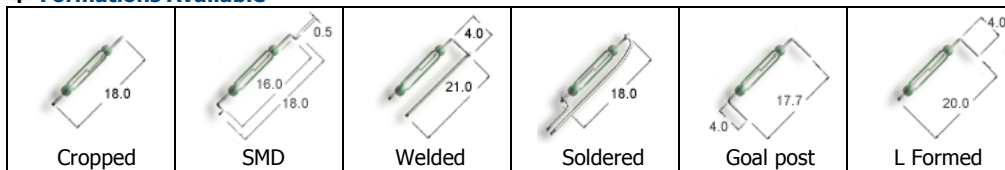
SM-1322 Sub-miniature Reed Switch

Form A, Center Contact, Release AT Configurable



This form A reed switch is built with a 2.25 mm diameter glass having a higher wall thickness for better glass to metal seals, and is a good solution for general purpose, high volume applications with a little shock and vibration, such as toys. The centre contact also makes it suitable for coil applications. The three differential ranges available cover a wide range of release specific applications. A specially plated contact for 230 VAC line voltage switching is also available. This reed switch is Lead (Pb) free and RoHS compliant.

Formations Available



Applications

This reed switch is suitable for use in the following applications and many others: copiers and scanners, coffee machines, flow sensing, inclination sensors, lake current measurement, power switches in explosive areas, ferrous metal detection sensors, gear speed and direction sensors...

Electrical

| Sub code | | L | M | H |
|----------------------------------|-----------------|------------------|------------------|------------------|
| Operate Range | AT | 10 – 40 | 10 - 40 | 10 – 40 |
| Release Range | AT | 4 – 20 | 6 – 25 | 7.5 – 30 |
| Contact Rating (max) | W/ VA | 10.0 | 10.0 | 10.0 |
| Switching Current (max) | A | 0.5 | 0.5 | 0.5 |
| Carry Current (max) | A | 1.5 | 1.5 | 1.5 |
| Switching Voltage (max) | V _{DC} | 180 | 180 | 180 |
| Switching Voltage (max) | V _{AC} | 130 | 130 | 130 |
| Breakdown Voltage (min) | V _{DC} | 200 | 200 | 200 |
| Initial Contact Resistance (max) | mΩ | 100 | 120 | 150 |
| Insulation Resistance (min) | Ω | 10 ¹¹ | 10 ¹¹ | 10 ¹¹ |
| Capacitance (min) | pF | 0.2 | 0.2 | 0.2 |

Miscellaneous

| | | |
|-----------------------|----|--------------|
| Operate Time (max) | ms | 0.5 |
| Bounce Time (max) | ms | 0.15 |
| Release Time (max) | ms | 0.15 |
| Resonance Frequency | Hz | >2000 |
| Operating Frequency | Hz | 500 |
| Operating Temperature | °C | -40 to +200 |
| Test Coil | | 717 102 002 |
| Lead out plating | | Sn (Pb free) |
| Shock Resistance | g | 50 |
| Vibration (10-2000Hz) | g | 20 |

Ordering Code

SM-1322-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

Example SM-1322-M-10-14

Denotes 10-14 Operate AT band, with a minimum Release AT of 6.

Other Configurations Available

Dynamic contact resistance limit, Higher insulation resistance, Special release limits, Gold plates leads

Please refer to our reed switch [usage notes](#)

Due to continual improvement, specifications are subject to change without notice

www.reed-sensor.com

10 May 2008