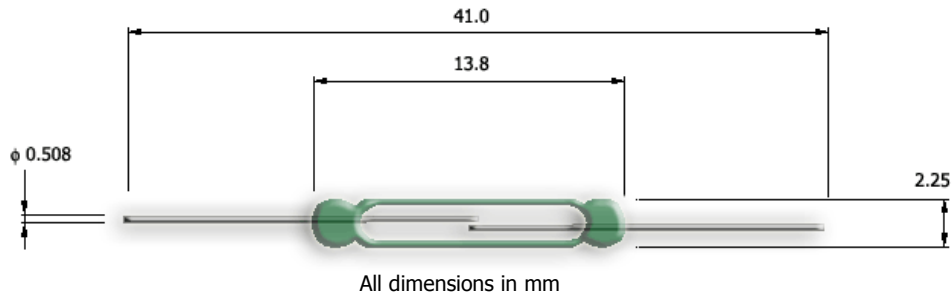


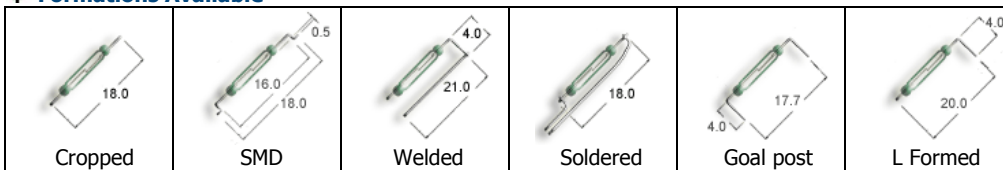
SM-1322 Sub-miniature Reed Switch

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

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