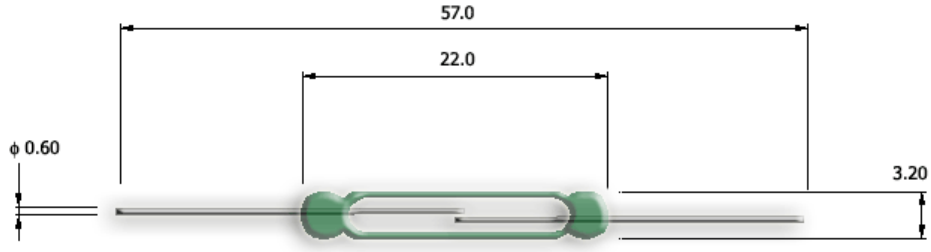
HB-2232 Reed Switch with High Breakdown

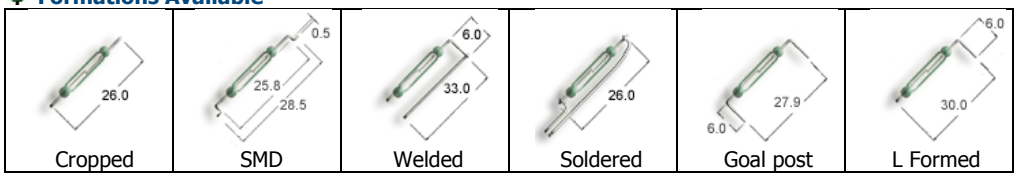
Form A, Center Contact, Breakdown Voltage Configurable



All dimensions in mm

This reed switch is designed with highly flexible blades to get maximum contact gap at lower AT ranges, and consequently having high break down characteristics. The two types of contacts options available provide breakdown at 350V or 500V minimum. Higher ampere turn groups will have even higher breakdown voltage values. This reed switch is Lead (Pb) free and RoHS compliant.

Formations Available



Cropped | SMD | Welded | Soldered | Goal post | L Formed

Applications

This reed switch is suitable for use in the following applications and many others: relays in food processors, power switches in explosive areas, magnetic extensometers...

Electrical

Sub code		L	H
Operate Range	AT	20 – 60	30 – 60
Release Range	AT	8 – 25	12 – 25
Contact Rating (max)	W/ VA	30.0	90.0
Switching Current (max)	A	0.5	0.75
Carry Current (max)	A	1.75	2.50
Switching Voltage (max)	V_{DC}	230	230
Switching Voltage (max)	V_{AC}	125	125
Breakdown Voltage	V_{DC}	350	500
Initial Contact Resistance (max)	mΩ	100	100
Insulation Resistance (min)	Ω	10^{11}	10^{11}
Capacitance (min)	pF	0.2	0.2

Miscellaneous

Operate Time (max)	ms	1.0
Bounce Time (max)	ms	0.5
Release Time (max)	ms	0.2
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

HB-2232-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

Example HB-2232-H-30-35
Denotes 500 V breakdown voltage in 30-35 Operate AT band

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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