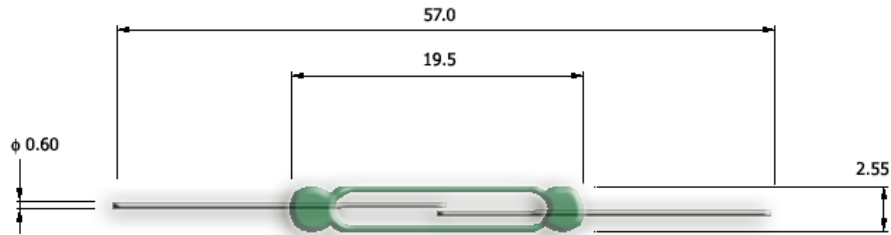


LV-1925 Reed Switch for Line Voltage Switching

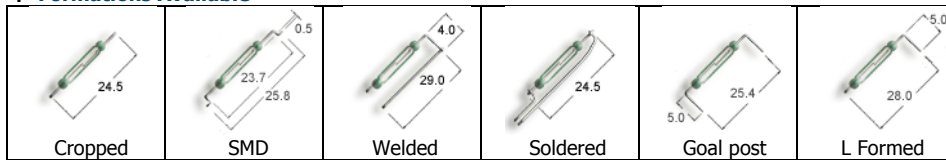
Form A, Center Contact, Contact Rating Configurable



All dimensions in mm

The LV-1925 is designed for endurance at switching line voltage loads of 230V AC. Two versions are capable of switching 30W and 60W. The third version is manufactured with specially plated blades for endurance at high current levels and can switch up to 90W. When used with contact protection, direct switching of tungsten filament lamps is possible. 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: over current sensors, magnetic extensometers, electronics and science kits, high voltage reed relays, thermal sensors...

Electrical

Sub code		L	M	H
Operate Range	AT	20 – 60	30 – 50	30 – 50
Release Range	AT	5 – 25	10 – 30	10 – 30
Contact Rating (max)	W/ VA	30.0	60.0	90.0
Switching Current (max)	A	0.5	0.5	0.5
Carry Current (max)	A	2.5	2.5	2.5
Switching Voltage (max)	V _{DC}	230	230	230
Switching Voltage (max)	V _{AC}	230	230	230
Breakdown Voltage	V _{DC}	350	350	350
Initial Contact Resistance (max)	mΩ	100	100	100
Insulation Resistance (min)	Ω	10 ¹¹	10 ¹¹	10 ¹¹
Capacitance (min)	pF	0.2	0.2	0.2

Miscellaneous

Operate Time (max)	ms	1.0
Bounce Time (max)	ms	0.6
Release Time (max)	ms	0.15
Resonance Frequency	Hz	>2000
Operating Frequency	Hz	300
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

LV-1925-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

Example LV-1925-L-26-30

Denotes 30 W contact rating in 26-30 Operate AT band.

Other Configurations Available

Dynamic contact resistance limit, Higher insulation resistance, Special release limits, Gold plated 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