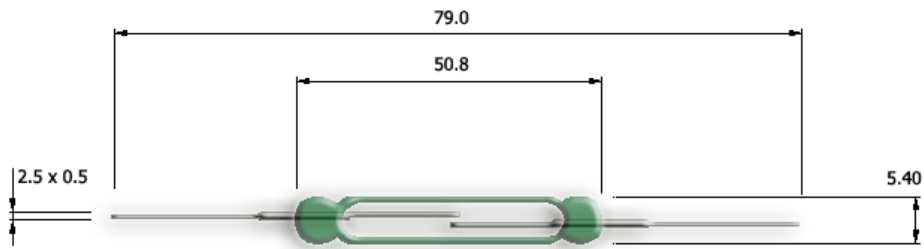


HW-5052 High Wattage Reed Switch

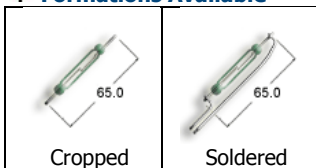
Form A, Center Contact, Contact Rating Configurable



All dimensions in mm

This reed switch is physically robust and can switch up to 120W. The two types of contact ratings available cover a wide range of high wattage applications. When supplied in an RAT group and used normally closed with a biased magnet, it is especially useful in elevator and hoist applications. Close differential characteristics can also be built into this reed switch. 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: elevators and hoists, transformer tap changers, high voltage reed relays...

Electrical

Sub code		L	H
Operate Range	AT	40 – 120	75 – 120
Release Range	AT	15 - 40	28 - 55
Contact Rating (max)	W/ VA	80	120
Switching Current (max)	A	2.0	3.0
Carry Current (max)	A	3.0	5.0
Switching Voltage (max)	V _{DC}	300	300
Switching Voltage (max)	V _{AC}	240	240
Breakdown Voltage	V _{DC}	500	800
Initial Contact Resistance (max)	mΩ	100	100
Insulation Resistance (min)	Ω	10 ¹⁰	10 ¹⁰
Capacitance (min)	pF	0.4	0.4

Miscellaneous

Operate Time (max)	ms	4.0
Bounce Time (max)	ms	1.0
Release Time (max)	ms	0.4
Resonance Frequency	Hz	>900
Operating Frequency	Hz	185
Operating Temperature	°C	-40 to +200
Test Coil		717 102 001
Lead out plating		Sn (Pb free)
Shock Resistance	g	50
Vibration (10-2000Hz)	g	20

Ordering Code

HW-5052-(Sub Code)-(Start Operate AT)-(Finish Operate AT)

Example HW-5052-H-90-95
Denotes 120 W contact rating, in 90-95 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

10 May 2008