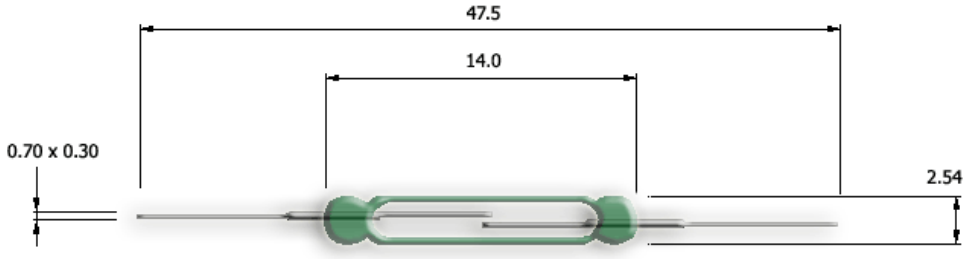
MC-1425 Miniature Close Differential Reed Switch

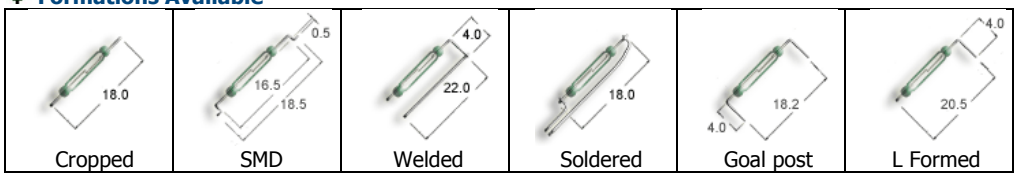
Form A, Center Contact, 10W



All dimensions in mm

This form A reed switch is built with specially pressed blades with slightly higher rigidity for close differential, low hysteresis applications where an operate and release is required with minimum magnet travel or minimum change in coil voltage. 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: automobile seatbelt sensors, automobile coolant flow sensing, digital wind vanes, ferrous metal detection sensors, gear speed and direction sensors...

Electrical

Differential (min)	%	70
Operate Range	AT	10 – 40
Release Range	AT	7.5 – 30
Contact Rating (max)	W/ VA	10.0
Switching Current (max)	A	0.5
Carry Current (max)	A	1.50
Switching Voltage (max)	V_{DC}	180
Switching Voltage (max)	V_{AC}	130
Breakdown Voltage	V_{DC}	200
Initial Contact Resistance (max)	mΩ	150
Insulation Resistance (min)	Ω	10^{11}
Capacitance (min)	pF	0.20

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		717 102 005
Lead out plating		Sn (Pb free)
Shock Resistance	g	50
Vibration (10-2000Hz)	g	20

Ordering Code

MC-1425-(Start Operate AT)-(Finish Operate AT)

Example MC-1425-15-18
Denotes 15-18 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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