

Hamlin Reed-Switch MDCG-4 Sub-miniature

Hamlin manufacture an extensive range of Reed switches with differing mechanical and electrical characteristics, designed to meet the needs of a broad range of applications.

Since manufacturing our first reed switches in 1957 Hamlin has been the world leader in reed switch technology. Today Hamlin switches are manufactured at our automated manufacturing facility in Lake Mills Wisconsin, USA, under Class 10,000 clean room conditions. Hamlin use vacuum deposition technology to control the application of contact materials at the molecular level. The use of automated vision systems and test equipment integrated in to the manufacturing process help to ensure that Hamlin manufacture reed switches of the highest quality

Available also in surface mount version. Ideally suited to reed relays, security, metering, limit sensing, telecoms and office equipment applications

Parameter	conditions		unit
Switch		Normally open	
Contact rating	Max.	10	Watt
Switching Voltage	Max.	200	Vdc
Breakdown Voltage	Max.	250	Vdc
Switching Current	Max.	500	mA
Carry Current	Max.	1200	mA
Contact, Initial Resistance	Max.	0.100	Ohm
Insulation Resistance	Max.	10^{10}	Ohm
Operating Temperature		-40...125	°C
Storage Temperature		-65...125	°C
Operating Time	Max.	0.6	ms
Release Time	Max.	0.2	ms
Shock	11ms $\frac{1}{2}$ sin	100	g
Vibration	50...2000 Hz	30	g
Powering		Not necessary	
Resonant-Frequency	Typ	3900	Hz
Pull-in Range (smaller ranges are available as standard)	Max.	12...38 On request	(AT)

