

## ■ Features

- Subminiature Size: 17.5 x 6.5 x 12.5 mm (lwh)
- Large Capacity: 5A, 250VAC/30VDC
- High Dielectric: 3000VAC, 1 minute, coil/contact
- High Sensitivity: 100mW pull-in power with non-polarized structure
- Sealed Cover: Suitable for immersion cleaning



## ■ Rating Performance

Contact Arrangement:	1 Form A (1a)
Contact Material:	AgCuNi
Rated Load:	250VAC/30VDC 5A (Resistive Load)
Contact Resistance:	Max. 50mOhm (at 6VDC 1A, voltage drop method)
Switching Current (max):	5A
Carrying Current (max):	10A at 20 °C within 10 minutes
Dielectric Strength:	3,000VAC for 1 minute (Coil to Contact) 750VAC for 1 minute ( between open contacts)
Insulation Resistance:	100mOhm @ 500VDC (min)
Operate Time:	10ms, max. at rated voltage
Release Time:	4ms, max. at rated voltage
Shock Resistance:	
False Operation	10G min. (shock wave 11ms)
Endurance	100G min. (shock wave 11ms)
Vibration Resistance:	
False Operation	10 to 55Hz (Double amplitude 1.5mm)
Endurance	10 to 55Hz (Double amplitude 1.5mm)
Mechanical Life:	10x10 <sup>6</sup> Ops. (Switching Freq. 300 ops/min)
Electrical Life:	0.1x10 <sup>6</sup> Operations at rated load ( On: 1 sec/Off: 1 sec)
Ambient Temperature:	-40° C to +85° C
Weight:	3 grams, approx.

## ■ Coil Rating

Part Number	Rated Voltage	Coil Resistance +/- 10%	Pull-in Voltage	Drop-out Voltage	Rated Power
MX-5(N)	5VDC	125	3.5V	0.5V	200mW
MX-6(N)	6VDC	180	4.2V	0.6V	
MX-9(N)	9VDC	405	6.3V	0.9V	
MX-10(N)	10VDC	500	7.0V	1.0V	
MX-12(N)	12VDC	720	8.4V	1.2V	
MX-24(N)	24VDC	2,880	16.8V	2.4V	

