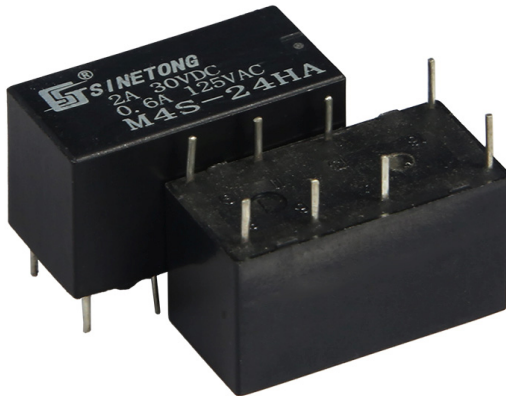


SINETONG INTERNATIONAL(SINGAPORE)PTE.,LTD.



M4S

(20.2*9.8*12.0)mm

QUICK DETAILS

Brand Name:Sinetong
Model Number:M4&M4S
Size:Miniature

Theory: Electromagnetic Relay
Contact Load: High Power

PRODUCT ADVANTAGE

- 1.Low coil power consumption high sensitivity
- 2.Small volume, light weight
- 3.Used in the communication equipment, office equipment, security alarm system, detector, sensor control and so on.

ORDER INFORMATION

M4S - 24 - H - A -
1 2 3 4 5

- 1.Model Number: M4:1Amp; M4S:2Amp(4078)
- 2.Coil Voltage(V): 3V; 5V; 6V; 9V;12V; 18V; 24V; 48V;
- 3.Construction: Nil:Standard; H:Washable Type
- 4.Coil Power: Nil:0.15W; A:0.20W; M:0.45W
- 5.Contact Material: Nil:Standard; F:Agni

CONTACT DATA

Contact Form	2C	
Contact Material	Ag . Pd, AgNi	
Contact Load	M4:1A/24VDC;0.5A/120VAC M4S:2A/30VDC;0.6A/125VAC	
Max. Switching Power	M4:30W 125VA Min. Switching Load: 0.01mA/10mV (for reference) M4S: 60W 125VA Min. Switching Load: 1mA/10mV(for reference)	
Max. Switching Voltage	220VDC 250VAC Max. Switching Current: 2A	
Max. Switching Current	5A	
Contact Resistance	M4: ≤50mΩ M4S: ≤100mΩ	
Life	Electrical	M4: 1A/24VDC: 5×10^5 (Ag Alloy : 1×10^5) 0.5A/120VAC: 2×10^5 M4S: 3×10^5 (AuCu $\times 10^5$)
	Mechanical	10^8

COIL DATA

Coil Voltage (VDC)		Coil Resistance (±10%)	Operating Voltage (Max) (VDC) (75% of Rated Voltage)	Release Voltage (Min)(VDC) (10% of Rated Voltage)	Coil Power (W)
Reted	Max				
3	7.5	60	2.1	0.15	0.15
5	12.5	167	3.5	0.25	0.15
6	15.0	240	4.2	0.3	0.15
9	22.5	540	6.3	0.45	0.15
12	30.0	960	8.4	0.6	0.15
18	40.0	1620	12.6	0.9	0.20
24	52.9	2880	16.8	1.2	0.20
48	84.9	7680	33.6	2.4	0.30
3	6.5	45	2.1	0.3	0.2
5	10.8	125	3.5	0.5	0.2
6	13.0	180	4.2	0.6	0.2
9	19.5	405	6.3	0.9	0.2
12	26.5	720	8.4	1.2	0.2
24	52.9	2880	16.8	2.4	0.2
48	103.9	11520	33.6	4.8	0.2
5	7.7	56	3.3	0.5	0.45

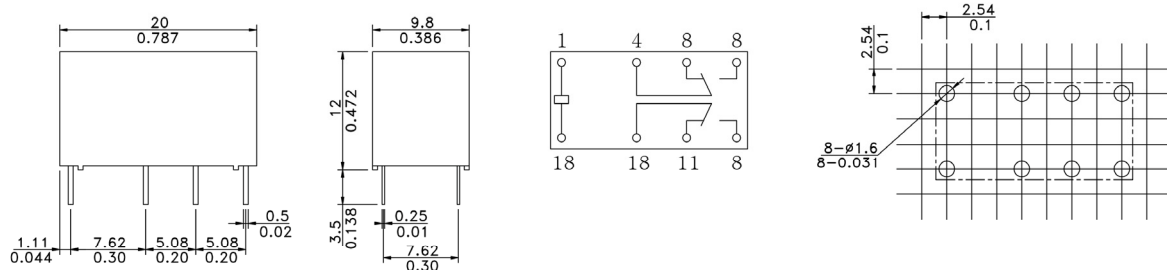
Coil Voltage (VDC)		Coil Resistance ($\pm 10\%$)	Operating Voltage (Max) (VDC) (75% of Rated Voltage)	Release Voltage (Min)(VDC) (10% of Rated Voltage)	Coil Power (W)
Rated	Max				
6	9.2	80	4.0	0.6	0.45
12	18.3	320	8.0	1.2	0.45
18	27.5	720	12.0	1.8	0.45
24	36.7	1280	15.9	2.4	0.45
48	72.5	5000	33.0	4.8	0.45

CAUTION: 1). If the working coil voltage is less than rated coil voltage, it will compromise the operation of the relay.
 2). Operating and release voltages are for testing purpose only, not to be used as design criteria

GENERAL DATA

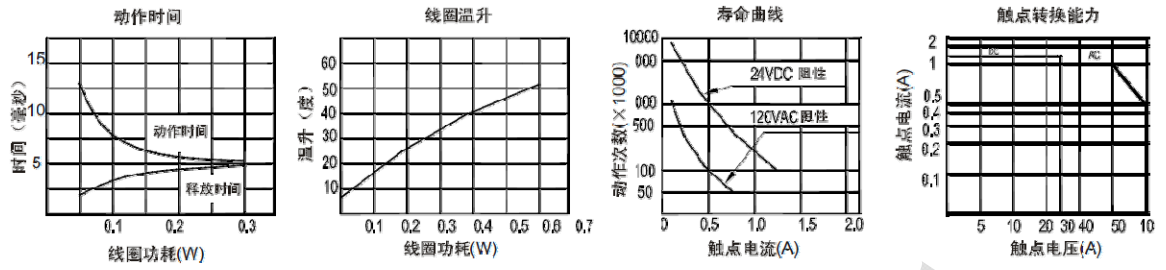
Insulation Resistance	Min 1000M Ω (500VDC)
Disconnect between contact	50Hz 500V
Between Coil & Contacts	50Hz 500V
Action time	≤ 5 ms
Release time	≤ 3 ms
Impact resistance	Stability: 100m/s ² 11ms Strength: 1000 m/s ² 6ms
Aseismicity	10Hz~55Hz Double flaps; Stability: 1.5mm Strength: 5mm
Terminal Strength	5N
Weldability	(235 \pm 2) $^{\circ}$ C , (3 \pm 0.5)s
Ambient Temperature	-40~90 $^{\circ}$ C (-40~194 $^{\circ}$ F) (-40~80 for 0.3W Coil)
Unit Weight	About 4.5g

Outline Dimension(mm)



NOTES 1).Dimensions are in millimeter.
 2).Inch equivalents are given for general information only.

Performance Chart



SINETONG