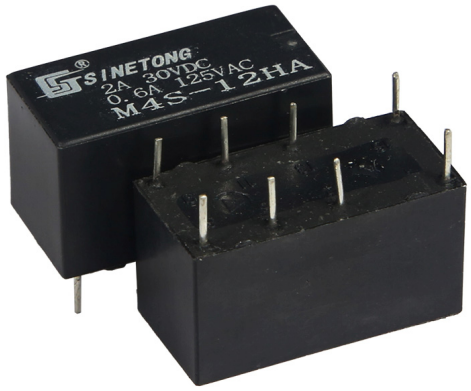
SINETONG INTERNATIONAL(SINGAPORE)PTE.,LTD.



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 – 12 – 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 (AuGu$\times10^5$)
	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 (±10%)	Operating Voltage （Max）(VDC) （75% of Rated Voltage)	Release Voltage (Min)(VDC) (10% of Rated Voltage)	Coil Power (W)
Reted	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

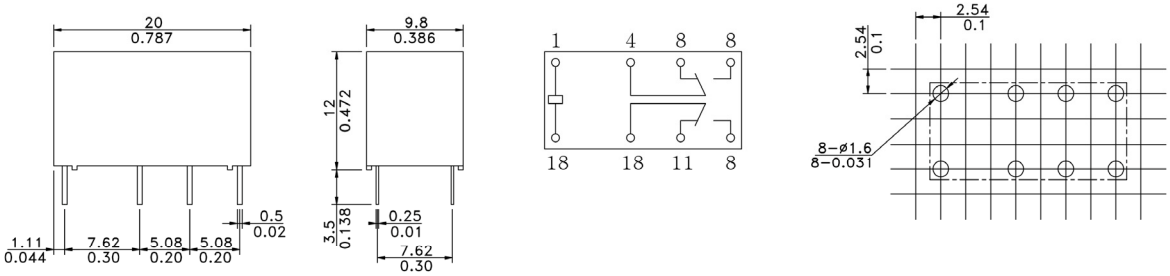
CAUTION: 1). If the working coil voltage is less than rated coil voltage, it will compromise the operation of the relay.

2). Operating and release voltages are for testing purpose only, not to be used as design criteria

GENERAL DATA

Insulation Resistance	Min 1000MΩ (500VDC)
Disconnect between contact	50Hz 500V
Between Coil & Contacts	50Hz 500V
Action time	≤5ms
Release time	≤3ms
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±2)℃ ，(3±0.5)s
Ambient Temperature	-40~90℃(-40~194°F) (-40~80 for 0.3W Coil)
Unit Weight	About 4.5g

Outline Dimention(mm)



NOTES 1).Dimensions are in millimeter.

2).Inch equivalents are given for general information only.

Performance Chart