ME-11-L MASSUSE RELAY

FEATURES

- latch relay
- Low height:15.7mm
- 10A switching capabilities
- 5KV dielectric strength(between coil and contacts)
- Creep age distance:11mm-NO/10mm-CO version
- environmental friendly product (ROHS compliant)
- UL & CUL Approval File No.: E179937

CONTACT DATA

Contact form	2C,2A
Contact resistance （Initial）	100mΩ max. (at 1A 6VDC)
Resistive load	8A 250VAC
Typ. applicable load	Lamp :Tungsten 3A 277VAC Standard ballast: 3A 277VAC
Surge current	120A/20ms
Switching Power	2000VA
Max. switching current	10A
Max. switching voltage	440VAC/300VDC
Contact material	$AgSnO_2$

CHARACTERISTICS

Insulation resistance	1000MΩ (at500VDC)
Dielectric strength	5000VAC, 1 min. between coil&contacts 1000VAC, 1 min. between open contacts 2500VAC,1min.between contact sets
Surge voltage	10Kv(1.2/50μs) between coil & contacts
Operate time	≤10 ms
Release time	≤10ms
Vibration resistance	10Hz to 150Hz, 10g/5g
Shock resistance	Functional: 98m/s^2 Destructive: 980m/s^2
Humidity	5% to 85% RH
Ambient temperature	- 40℃ to + 85℃
Life expectancy - Electrical - Mechanical	 1×10^4 ops(2Z:8A 250VAC,General use, at 85℃,5s on 5s off) 5×10^4 ops(2H:8A 250VAC,General use, at 85℃,5s on 5s off) 2×10^6ops

COIL SPECIFICATIONS: 1 COIL LATCH

Nominal voltage(VDC)	Set & reset voltage (VDC)	Pulse width(ms)		Nominal current (mA±10%)	Max. allowable voltage (VDC)	Coil resistance (Ω±10%)	Power consumption (mW)
		Typical	Min.				
5	3.5	50	30	80.6	6	62	400
6	4.2	50	30	66.7	7.2	90	400
9	6.3	50	30	44.5	10.8	202	400
12	8.4	50	30	33.3	14.4	360	400
24	16.8	50	30	16.7	28.8	1440	400

2 COIL LATCH

Nominal voltage(VDC)	Set & reset voltage (VDC)	Pulse width(ms)		Nominal current (mA±10%)	Max. allowable voltage (VDC)	Coil resistance (Ω±10%)	Power consumption (mW)
		Typical	Min.				
5	3.5	50	30	119	7.5	42	600
6	4.2	50	30	109	9	55	600
9	6.3	50	30	66.7	13.5	135	600
12	8.4	50	30	50	18	240	600
24	16.8	50	30	27.1	36	886	600

ORDERING INFORMATION

ME-11-L - L1 - 12 - 2H S 4 T F

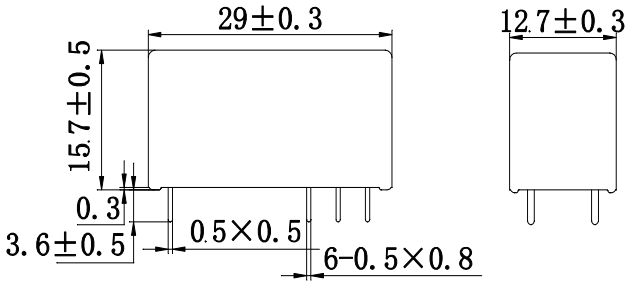
Model No.	Version	Coil Voltage	Contact Form	Protection	Version	Contact material	Insulation standard
ME-11-L	L1: 1 Coil Latch L2: 2 Coil Latch	5, 6, 9,12 or 24VDC	2Z: 2C 2H:2A	Nil: Flux Free Type S: Sealed	4: 5mm 2 pole 8A	T: AgSnO2	F: Class F

NOTE: (1)Under the ambience with dangerous gas like H_2S,SO_2,NO_2, plastic sealed type is recommended; Please test the relay in real applications. If the ambience allows, flux proofed type is preferentially recommended. If water cleaning is required after the relay is assembled on PCB, please contact us for suggestion about suitable parts.

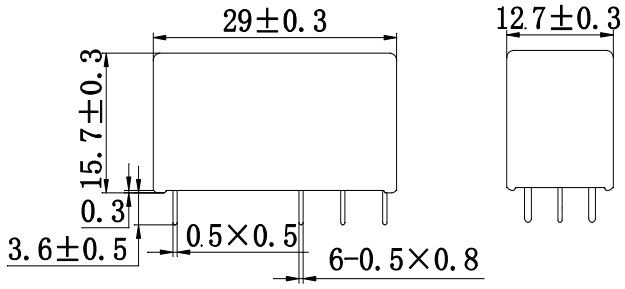
OUTLINE DIMENSIONS AND WIRING DIAGRAM (unit: mm)

Outline Dimensions

(1 coil latching)

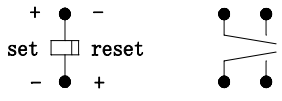


(2 coil latching)

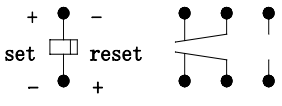


Wiring Diagram(Bottom view)

1 coil latching(Reset Status)



2A

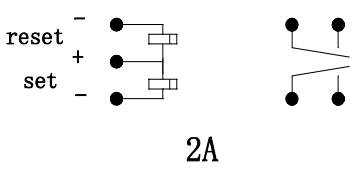


2C

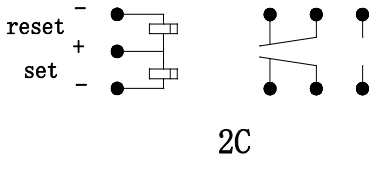
OUTLINE DIMENSIONS AND WIRING DIAGRAM (unit: mm)

Wiring Diagram(Bottom view)

2 coil latching(Reset Status)



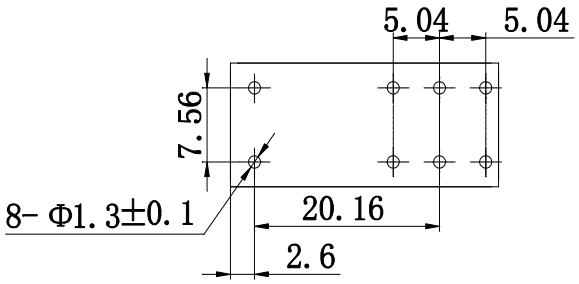
2A



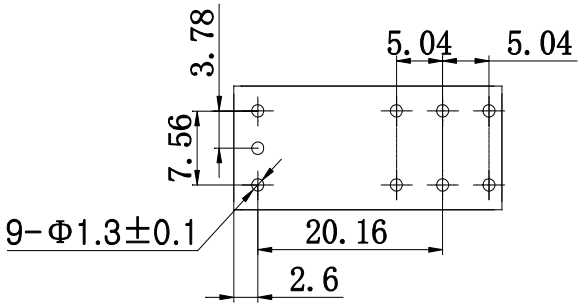
2C

PCB Layout(Bottom view)

(1 coil latching)



(2 coil latching)



Disclaimer: All the specifications are subject to change without notice.