

**FEATURES**

- 50A switching capabilities
- Single and double coils magnet latching relay available
- Environmental friendly product (ROHS compliant)
- Subminiature size 32.5 x 27.6 x 20.5(L x W x H)

**CONTACT DATA**

Contact form	1A , 1B & 1C
Contact resistance(Initial)	$\cong 20\text{m}\Omega$
Contact rating (Resistive)	1A,1B: 50A/277VAC 5 x 10 <sup>4</sup> Ops (Resistive load) 5000W 240VAC 3 x 10 <sup>4</sup> Ops (Incandescent Lamp) 16A/280VAC 6000 Ops (Electronic ballast) 5HP 250VAC 3 x 10 <sup>4</sup> Ops (Motor load) 1C: 40A/277VAC 3 x 10 <sup>4</sup> Ops (Resistive load)
Max. switching power	1500W 14000VA
Max. switching voltage	110VDC 300VAC
Max. switching current	50A
Contact material	AgSnO <sub>2</sub>
Weight	27g (Open type) 31g

**CHARACTERSTICS**

Insulation resistance	1000M $\Omega$ at 500VDC
Dielectric strength	Between coil and contacts: 2500VAC, 4000V,50Hz Between contacts: 1500VAC, 50Hz
Operate time	$\cong 15$ ms
Release time	$\cong 15$ ms
Terminals strength	10N
Vibration resistance	10 to 55Hz double amplitude 1.5mm
Shock resistance	200m/s <sup>2</sup> 11ms
Humidity	85% (at 40°C)
Solderability	235°C $\pm$ 2°C 3s $\pm$ 0.5s
Ambient temperature	- 40°C to +85°C
Life expectancy	
- Electrical	See contact rating
- Mechanical	1 x 10 <sup>6</sup> operations min.

**COIL SPECIFICATIONS – 1. Single coil Latching (1 Coil)**

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance ( $\Omega \pm 10\%$ )	Power consumption(W)
5	4.0	0.5	300	16.7	1.5
12	9.6	1.2	125	96	1.5
24	19.2	2.4	62.5	384	1.5
48	38.4	4.8	31.3	1536	1.5

**2. Double coils Latching (2 Coils)**

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA ± 10%)	Coil resistance ( $\Omega \pm 10\%$ )	Power consumption(W)
5	4.0	0.5	600	2 × 8.3	2 × 3.0
12	9.6	1.2	250	2 × 48	2 × 3.0
24	19.2	2.4	125	2 × 192	2 × 3.0
48	38.4	4.8	62.5	2 × 768	2 × 3.0

**ORDERING INFORMATION**

**ME-19F - L1 - 012 - 1H      S      P1**

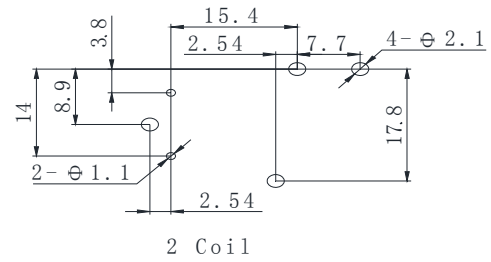
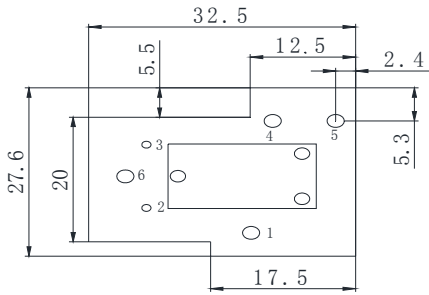
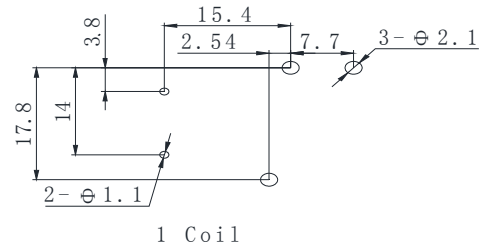
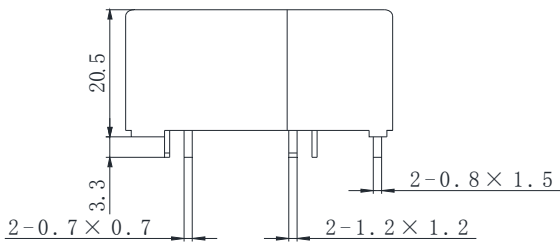
Model No.	Sort	Coil Voltage	Contact Form	Protection	load
ME-19F	L1: 1 Coil Latching L2: 2 Coil Latching	5,12,24,48	1H: 1A 1D: 1B 1Z: 1C	Nil: Open S: Sealed C: Dust cover	P1:50A/277VAC

# ME-19F-L

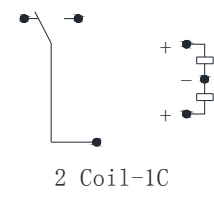
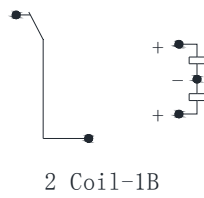
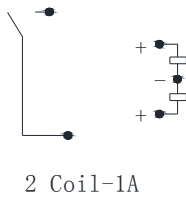
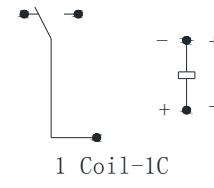
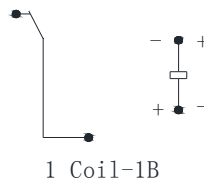
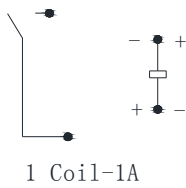
# MASSUSE RELAY

**DIMENSIONS (unit: mm)**

Tolerance:  $\pm 0.3\text{mm}$



Mounting (Bottom view)



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