

**FEATURES**

- 40A 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)	30A/277VAC,28VDC $5 \times 10^4$ Ops 40A/277VAC,28VDC $2 \times 10^4$ Ops (Resistive load) 5000W 240VAC $3 \times 10^4$ Ops (Incandescent Lamp) 5A/280VAC 6000 Ops (Electronic ballast) 2HP 250VAC $2 \times 10^4$ Ops (Motor load)
Max. switching power	1200W 12000VA
Max. switching voltage	110VDC 300VAC
Max. switching current	40A
Contact material	AgSnO <sub>2</sub>
Weight	27g (Open type) 31g

**CHARACTERSTICS**

Insulation resistance	1000M $\Omega$ at 500VDC
Dielectric strength	Between coil and contacts: 50Hz 2500VAC, 4000V,1min Between contacts: 50Hz 1500VAC, 1min
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

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

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ( $\Omega \pm 10\%$ )	Power consumption(W)
5	4.0	0.5	180	28	0.9
12	9.6	1.2	75	160	0.9
24	19.2	2.4	37.5	640	0.9
48	38.4	4.8	18.8	2560	0.9

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

Nominal voltage (VDC)	Pick-up voltage VDC (Max.)	Drop-out voltage VDC (Min.)	Nominal current (mA $\pm$ 10%)	Coil resistance ( $\Omega \pm 10\%$ )	Power consumption(W)
5	4.0	0.5	360	2 $\times$ 14	2 $\times$ 1.8
12	9.6	1.2	150	2 $\times$ 80	2 $\times$ 1.8
24	19.2	2.4	75	2 $\times$ 320	2 $\times$ 1.8
48	38.4	4.8	37.5	2 $\times$ 1280	2 $\times$ 1.8

**ORDERING INFORMATION**

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

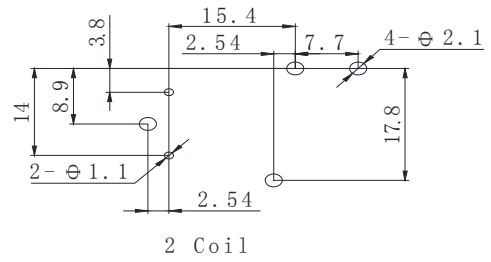
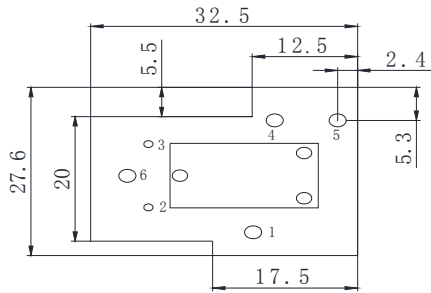
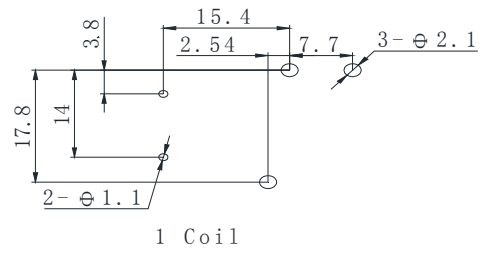
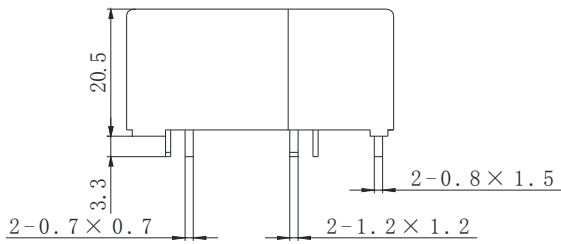
Model No.	Sort	Coil Voltage	Contact Form	Protection	load
ME-19F	L1: 1 Coil Latching L2: 2 Coil Latching	5,12,24,48	1H: 1A 1D: 1B 1Z: 1C	Nil: Open S: Sealed C: Dust cover	Nil: 30A/277VAC P:40A/277VAC

# ME-19F-L

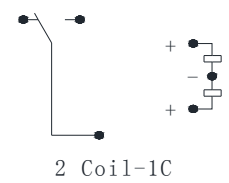
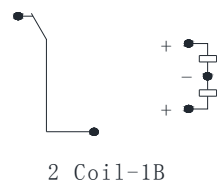
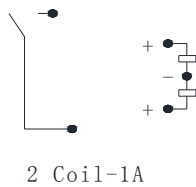
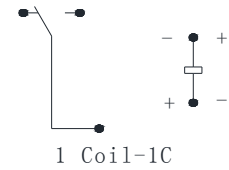
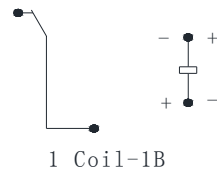
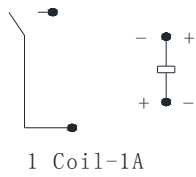
# MASSUSE RELAY

**DIMENSIONS (unit: mm)**

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



Mounting (Bottom view)



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