

**FEATURES**

- Magnet latching relay
- Creepage distance: 8.4mm
- Well anti-shock and anti-vibration
- Heavy contact load

**CONTACT DATA**

Contact form	1A,1B
Contact resistance (Initial)	Max. 1mΩ
Contact rating (resistive)	100Amax/240VAC
Max. switching power	23000VA (cosΦ=1) 2300VA(cosΦ=0.4)
Max. switching voltage	400VAC
Max. switching current	100A
Contact material	AgSnO <sub>2</sub>
Weight	82g

**CHARACTERISTICS**

Insulation resistance	1000MΩ min (at 500VDC)
Dielectric strength	
- between coil to contacts	50Hz 4000V surge voltage 12kV
- between open contacts	50Hz 2000V surge voltage 2kV
Creepage distance	8.4mm
Operate time	≅ 12 ms
Release time	≅ 6 ms
Shock resistance	Functional: 100m/s <sup>2</sup> Survival: 1000m/s <sup>2</sup> 11ms
Vibration resistance	10-55Hz, Double amplitude 1.5mm
Humidity	85% (at 40°C)
Ambient temperature	- 25°C to 70°C
Life expectancy	
- Electrical	1 x 10 <sup>4</sup> operations (rated load)
- Mechanical	1 x 10 <sup>6</sup> operations (no load)

**COIL SPECIFICATIONS – 1 COIL**

Nominal voltage (VDC)	Max. switching voltage (VDC)	Operating voltage range (VDC)	Pulse magnitude (ms)	Coil resistance (Ω±10%)	Power consumption (W)
6	4.8	4.9 - 10	≅ 36	16	2.25
12	9.6	9.8 - 20	≅ 36	64	2.25
24	19.2	19.7 - 40	≅ 36	260	2.25

**2 COIL**

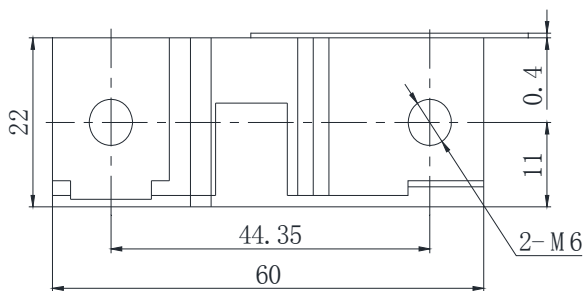
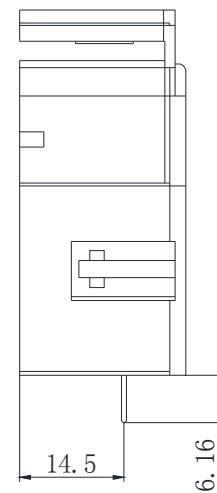
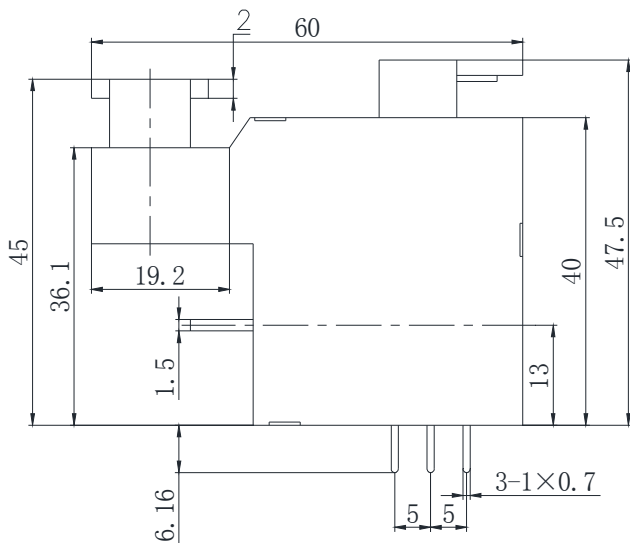
Nominal voltage (VDC)	Max. switching voltage (VDC)	Operating voltage range (VDC)	Pulse magnitude (ms)	Coil resistance (Ω±10%)	Power consumption (W)
6	4.8	4.9 – 10	≅ 36	2 X 8	4.5
12	9.6	9.8 – 20	≅ 36	2 X 32	4.5
24	19.2	19.7 - 40	≅ 36	2 X 130	4.5

## ORDERING INFORMATION

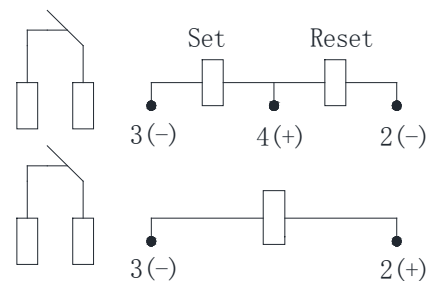
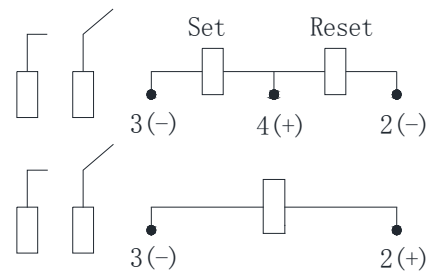
**ME-100** - **12** - **1** **D** **F**

Model No.	Coil Voltage	Coil Type	Contact form	Insulation
ME-100	6VDC – 24VDC	1: 1 coil 2: 2 coil	Nil: 1Form A D: 1Form B	Nil: Class B F: Class F

## Dimensions(unit:mm)



## Schematic



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