

**FEATURES**

- Latching relay
- 200A switching capabilities
- According to ANSI C 12.1(Carrying:12kA current/66.7 ms;7kA peak creent/100 ms)
- 4KV dielectric strength between coil and contacts
- Heavy load up to 55400VA
- Environmental friendly product(ROHS contacts)

**CONTACT DATA**

Contact form	2A, 2B
Contact resistance	Typ.: 0.25mΩ max. (at 200A) (1)
Contact rating (Resistive load)	200A 277VAC / 28VDC
Max. switching power	55400VA / 5600W
Max. switching voltage	440VAC
Max. switching current	200A
Contact material	AgSnO2

Notes: (1) Typical value: Sampling quantity for contact resistance shall not less than 20 pcs,take average value from 5 continous measurements for each sample.

**CHARACTERISTICS**

Initial insulation resistance	1000MΩ (at 500VDC)
Dielectric strength	4000VAC, 1 min. between coil and contacts 2000VAC, 1 min. between open contacts
Creepage distance	9.6mm
Operate time	20 ms max. (at nomi. volt.)
Release time	20 ms max. (at nomi. volt.)
Vibration resistance	DA: 1.5mm, 10 - 55 Hz
Shock resistance	Functional: 98m/s <sup>2</sup> Destructive: 980m/s <sup>2</sup>
Humidity	5% - 85% RH
Ambient temperature	- 40°C to +85°C
Life expectancy - Electrical - Mechanical	6 x 10 <sup>3</sup> OPS(200A 240VAC,Resistive load, Room temp, 1s on 9s off) 5 x 10 <sup>4</sup>

**COIL SPECIFICATIONS – Single coil latching**

Nominal voltage (VDC)	Set / reset voltage (VDC)	Pulse duration ms min.	Coil resistance (Ω±10%)	Power consumption (W)
12	9.6	100	12	12
24	19.2	100	48	12
48	38.4	100	190	12

**COIL SPECIFICATIONS – Double coil**

Nominal voltage (VDC)	Set / reset voltage (VDC)	Pulse duration ms min.	Coil resistance (Ω±10%)	Power consumption (W)
12	9.6	100	6 + 6	24
24	19.2	100	24 + 24	24
48	38.4	100	95 + 95	24

## ORDERING INFORMATION

**ME-200A** - **A** - **012** - **2D** **1** **R**

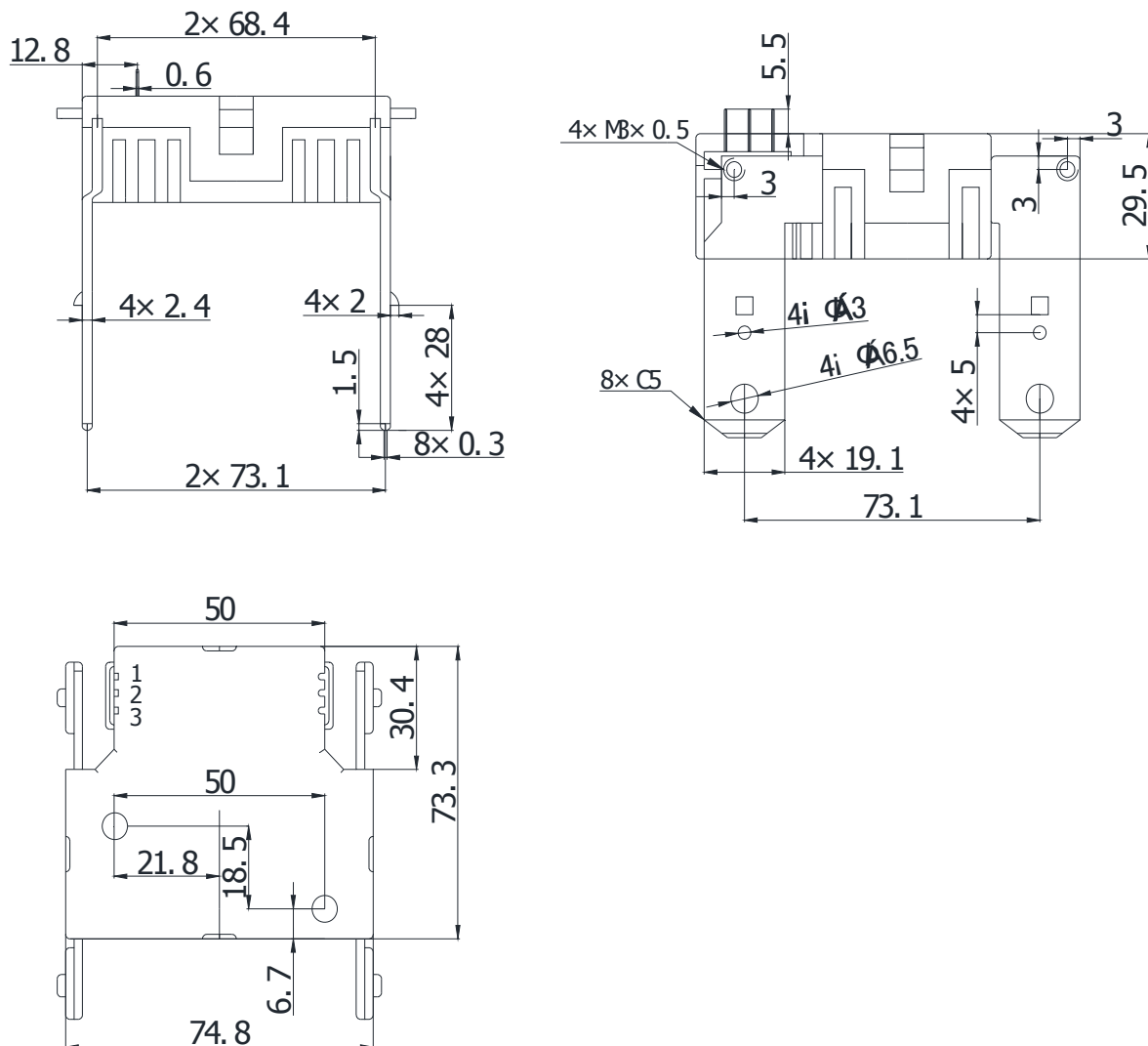
Model No.	Version	Coil Voltage	Contact Form	Coil Type	Polarity
ME-200A	A: Type A contact terminal	12、24、48VDC	2H: 2 Form A 2D: 2 Form B	1: Single coil latching 2: Double coil latching	Nil: Positive polarity R: Negative polarity

Notes: 1) 2H means that relay is on the “reset” status when delivery; 2D means that relay is on the “set” status when delivery. If no special required by customer, we will keep the relay on the “set” status when delivery.

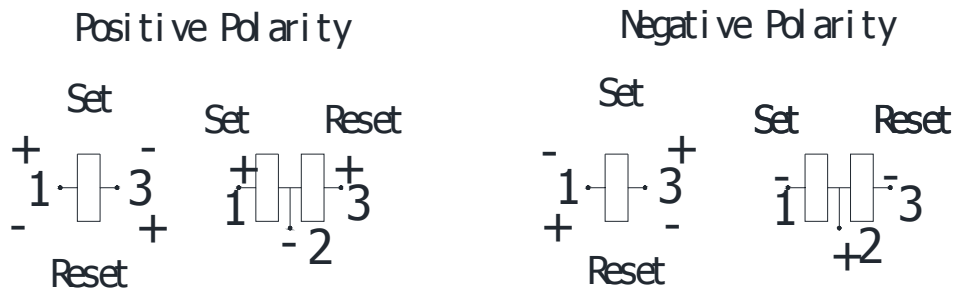
2) The customer special requirement express as special code after evaluating by Massuse.

## DIMENSIONS (unit: mm)

### Outline Dimensions



## Coil WIRING DIAGRAM



## Notice

1. Relay is on the “reset” or “set” status when being released from stock, with the consideration of stock risen from transit and relay mounting, relay would be changed to “set” or “reset” status, therefore, when application (connecting the power supply), please reset the relay to “set” or “reset” status on request.
2. In order to maintain “set” or “reset” status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than “set” or “reset” time. Do not energize voltage to “set” coil and “reset” coil simultaneously. And also long energized time (more than 1 min) should be avoided.
3. The terminals of relay without twisted copper wire cannot be tin-soldered, cannot be moved willfully.
4. Relays used for metering measuring applications are usually made with dust proof structure, while most relays could be made specially per customer’s specific requirements. No longer than 6 months’ storage time is recommended for this kind of relay, and please pay attention to the storage environment. To ensure contact reliability, we will keep contact status be closed when delivery if no special required by customer.