

FEATURES

- Latching relay
- 200A switching capabilities
- Electrical endurance 6000ops
- According to ANSI C 12.1 (Carrying:12kA r.m.s/66.7ms;7Ka peak current/100ms)
- Contact resistance $\leq 0.25 \text{ m}\Omega$
- Environmental friendly product(ROHS contacts)

CONTACT DATA

Contact form	2A, 2B
Contact resistance	Typ.: $0.25 \text{ m}\Omega$ max. (at 200A) (1)
Contact rating	200A 240VAC
Max. switching power	55200VA
Max. switching voltage	276VAC
Max. switching current	200A
Contact material	AgSnO ₂

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

CHARACTERISTICS

Initial insulation resistance	1000M Ω (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: 98 m/s^2 Destructive: 980 m/s^2
Humidity	5% - 85% RH
Ambient temperature	- 40°C to +85°C
Life expectancy	
- Electrical	6×10^3
- Mechanical	1×10^5

COIL SPECIFICATIONS – 1 coil latching

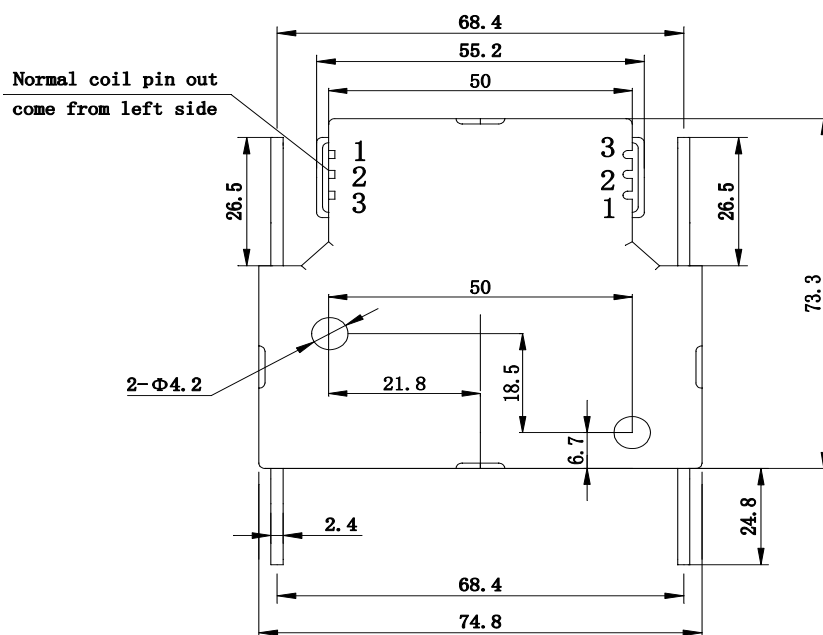
Nominal voltage (VDC)	Set / reset voltage ¹⁾ (VDC)	Pulse duration (Recommended) (ms)	Coil resistance ($\Omega \pm 10\%$)	Power consumption (W)
6	4.8	50~100	3	12
9	7.2	50~100	6.75	12
12	9.6	50~100	12	12
24	19.2	50~100	48	12
48	38.4	50~100	190	12

Nominal voltage (VDC)	Set / reset voltage ¹⁾ (VDC)	Pulse duration (Recommended) (ms)	Coil resistance ($\Omega \pm 10\%$)	Power consumption (W)
6	4.8	50~100	1.5+1.5	24
9	7.2	50~100	3.3+3.3	24
12	9.6	50~100	6 + 6	24
24	19.2	50~100	24 + 24	24
48	38.4	50~100	95 + 95	24

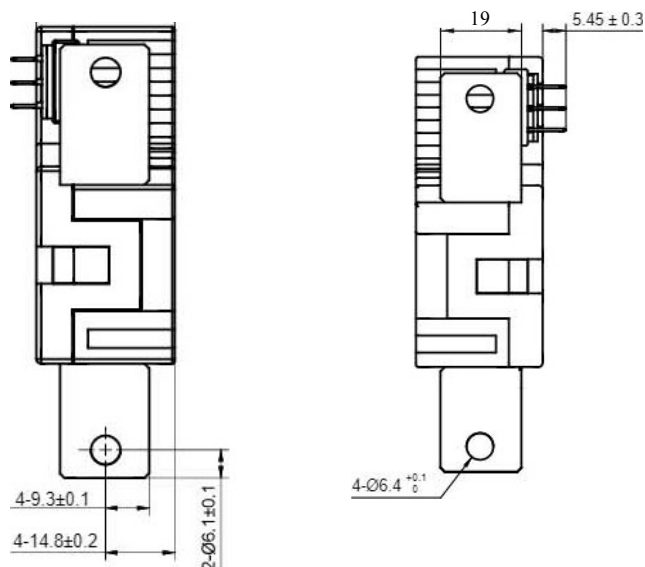
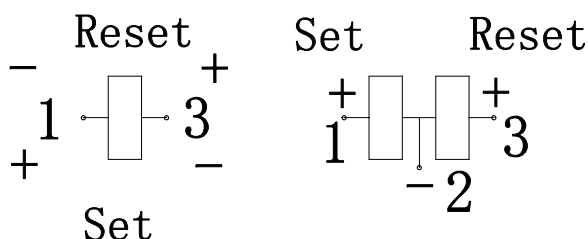
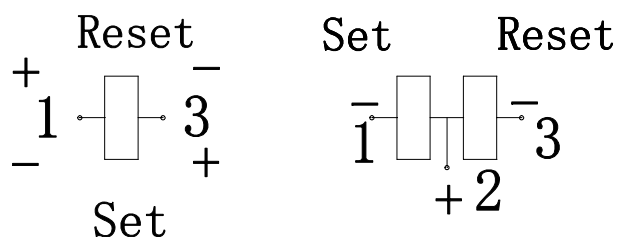
ME-200 - L1 - 012 - 2A R

Model No.	Coil Type	Coil Voltage	Contact Form	Polarity
ME-200	L1: 1 coil latching	6VDC- 48VDC	2A: 2 Form A	Nil: Positive polarity
	L2: 2 coil latching		2B: 2 Form B	R: Negative polarity

DIMENSIONS (unit: $\pm 0.4\text{mm}$)



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DIMENSIONS (unit: mm)**Coil WIRING DIAGRAM****Positive Polarity****Negative Polarity****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. Do not energize voltage to “set” coil and “reset” coil simultaneously. And also long energized time (more than 1 min) should be avoided.
3. Normally the load terminals are not suitable for reflow solder, wave solder or tin solder, we suggest use spot welding. Load terminals shall be prevented from assembly stress, or freely move.
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.

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