

FEATURES

- Latching relay
- 100A switching capabilities
- 4KV dielectric strength between coil to contacts
- Heavy load up to 27.7KVA

CONTACT DATA

Contact form	1A,1B
Contact resistance (Initial)	Max. 30mΩ (at 1A 24VDC)
Contact rating (resistive load)	100A 277VAC/28VDC 20000 ops
Max. switching power	27700VA / 2800W
Max. switching voltage	440VAC
Max. switching current	100A
Contact material	AgSnO ₂ , AgCdO

CHARACTERISTICS

Insulation resistance	1000MΩ (500VDC)
Dielectric strength	
- between coil to contacts	4000VAC, 1 min.
- between open contacts	2000VAC, 1 min.
Creepage distance	8mm
Operate time	≅ 20 ms (at nomi. volt.)
Release time	≅ 20 ms (at nomi. volt.)
Shock resistance	Functional: 294m/s ² Destructive: 980m/s ²
Vibration resistance	10-55Hz, Double amplitude 1.5mm
Humidity	98% (+ 40°C)
Ambient temperature	- 40°C to 70°C
Life expectancy	
- Electrical	2 x 10 ⁴ operations
- Mechanical	1 x 10 ⁶ operations

COIL SPECIFICATIONS – 1 COIL LATCHING

Nominal voltage (VDC)	Pick-up voltage (VDC)	Pulse duration ms	Coil resistance (Ω±10%)	Power consumption (W)
6	4.8	100	16	2.4
12	9.6	100	60	2.4
24	19.2	100	250	2.4
48	38.4	100	1000	2.4

2 COIL LATCHING

Nominal voltage (VDC)	Pick-up voltage (VDC)	Pulse duration ms	Coil resistance (Ω±10%)	Power consumption (W)
6	4.8	100	2 x 8	4.8
12	9.6	100	2 x 30	4.8
24	19.2	100	2 x 125	4.8
48	38.4	100	2 x 500	4.8

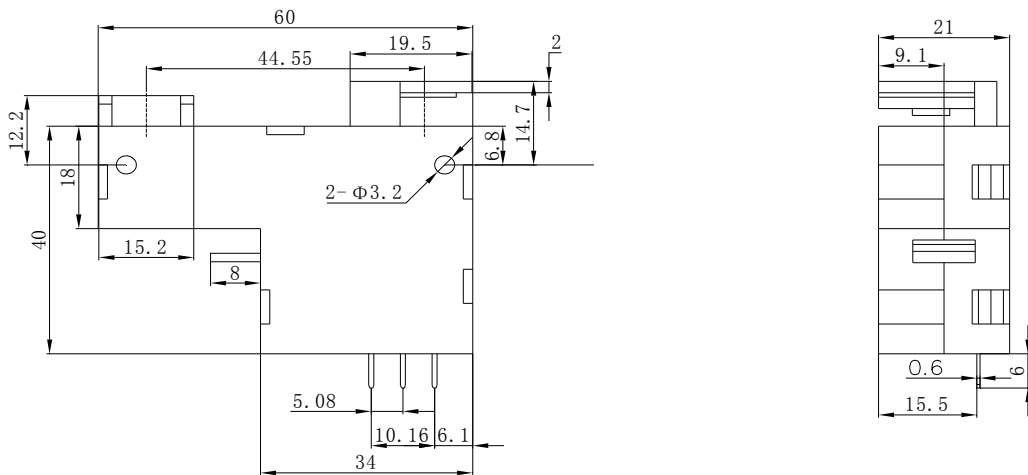
ORDERING INFORMATION

ME-100 - A - 12 - H 1 T 2 2 R

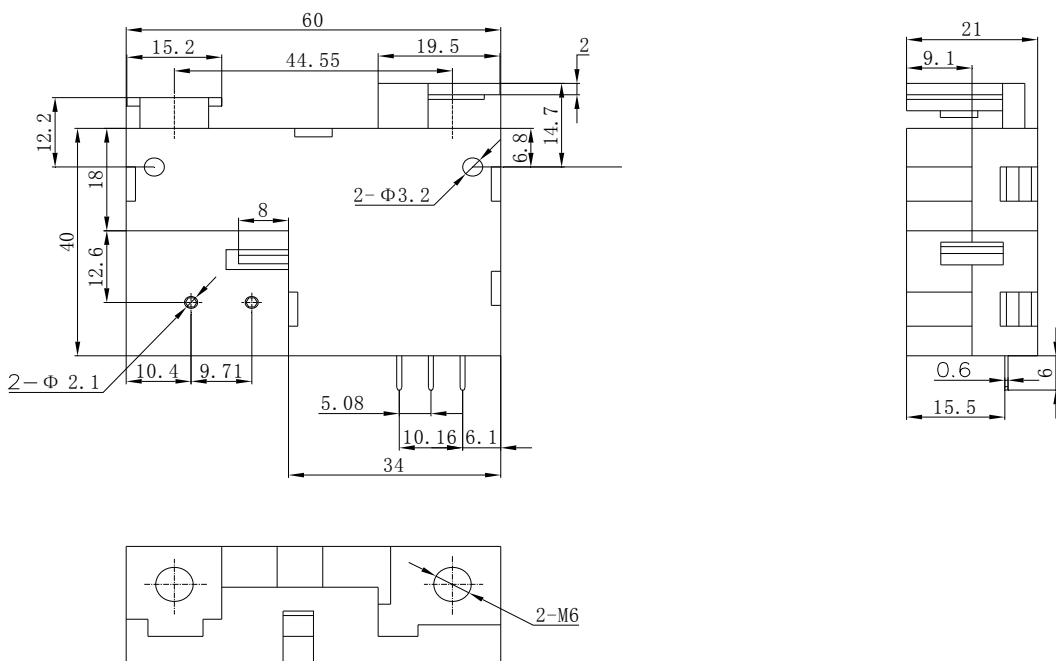
Model No.	Contact terminal	Coil Voltage	Contact Form	Coil Type	Contact material	Coil Terminal	Mounting Board	Polarity
ME-100	A: Type A B: Type B C: Type C	6、12、24 and 48VDC	H:1A D:1B	1: 1 coil 2: 2 coil	Nil: AgCdO T: AgSnO ₂	1: PCB 2: QC 1/9 inch	1: No board mounting 2: With micro-switch on mounting board (set / reset-status detector)	Nil: Positive polarity R: Negative polarity

Dimensions(unit:mm)

Type A terminal, No mounting board

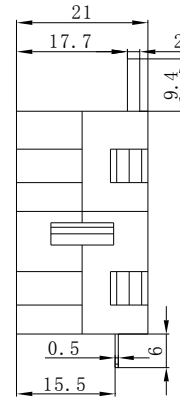
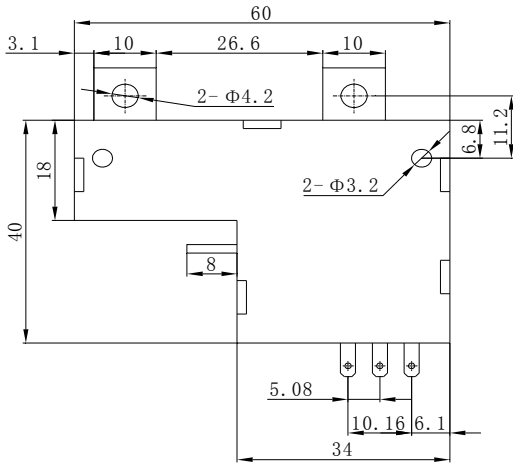


Type A terminal, with micro-switch mounting board

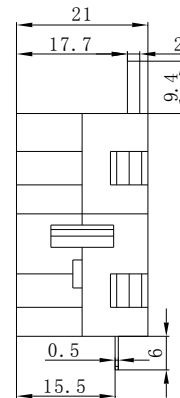
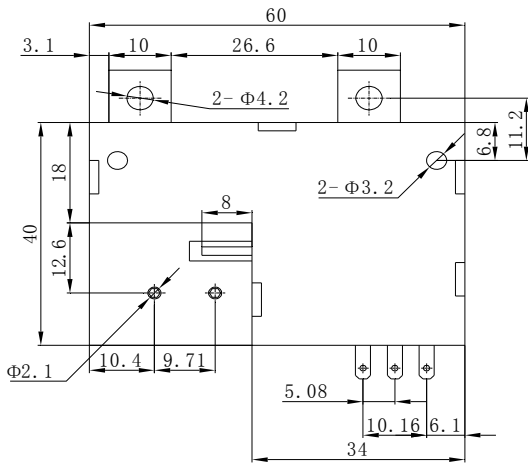


Dimensions(unit:mm)

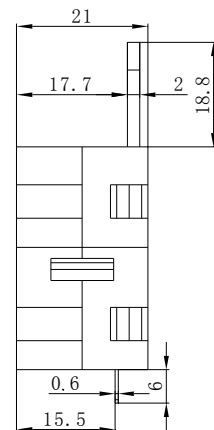
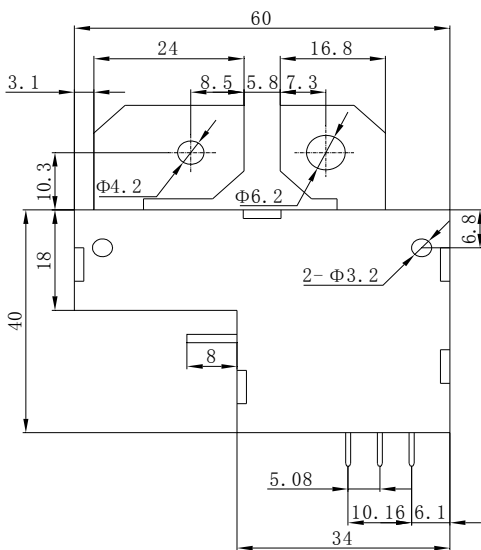
Type B terminal, No mounting board



Type B terminal, with micro-switch mounting board

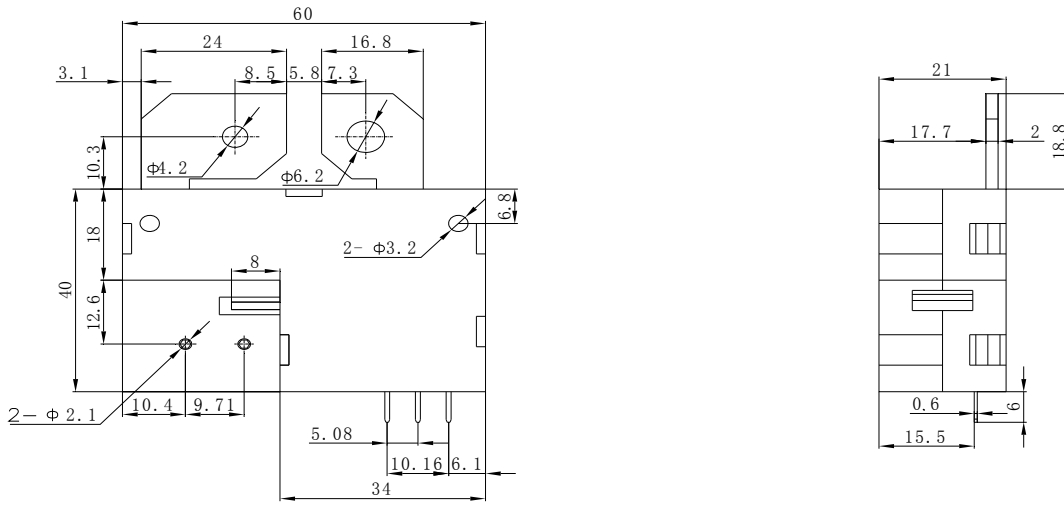


Type C terminal, No mounting board



Dimensions(unit:mm)

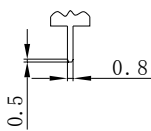
Type C terminal,with micro-switch mounting board



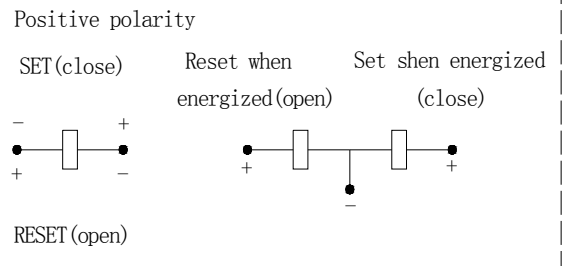
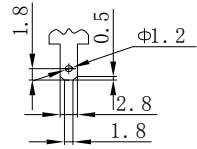
COIL WIRING DIAGRAM

COIL TERMINALS

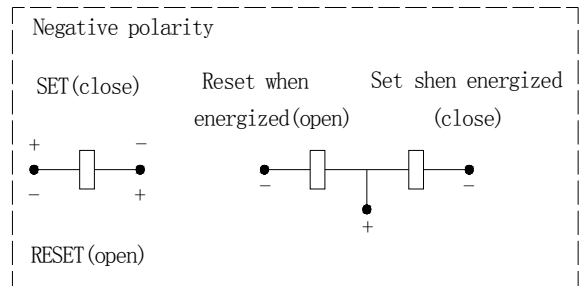
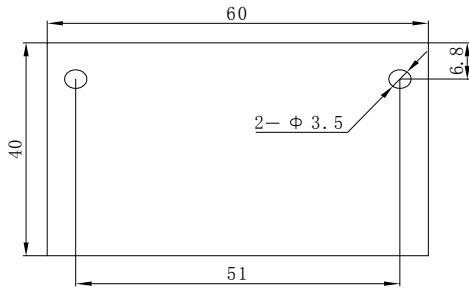
Type 1



Type 2



PCB LAYOUT



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