

## FEATURES

- 80A switching capabilities
- Carrying the 6000A short circuit current without explosion
- 4KV dielectric strength (between coil and contact)
- Outline dimensions: (39.0×30.0×17.5)mm

## CONTACT DATA

Contact form	1A , 1B
Initial Contact resistance (Voltage drop)	5mΩ( 1A 24VDC) 100mV(40A)
Carrying Rating	80A 250VAC
Resistive load	60A 250VAC 40A 250VAC
Max. switching power	80A 20000VA 60A 15000VA 40A 10000VA
Max. switching current	80A
Max. switching voltage	300VAC
Contact material	AgCdO

## CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	4000VAC, 1 min. between and contacts 1500VAC, 1 min. between open contacts
Creepage distance	8.4mm
Operate time	Max. 20 ms (nominal voltage)
Release time	Max. 20 ms (nominal voltage)
Vibration resistance	10-55Hz at double amplitude of 1.5mm
Shock resistance	Functional 100m/s <sup>2</sup> Destructive 1000m/s <sup>2</sup>
Humidity	5% to 85% RH
Ambient temperature	- 25°C to + 70°C
Life expectancy	
- Electrical	1 x 10 <sup>4</sup> operations
- Mechanical	1 x 10 <sup>6</sup> operations

## COIL SPECIFICATIONS 1 Coil Latching.

Nominal voltage (VDC)	Pick-up voltage (VDC)	Coil resistance Ω(1±10%)	Pulse Duration ms	Power consumption(W)
9	6.3	81	≥60	1
12	8.4	144	≥60	1
24	16.8	576	≥60	1

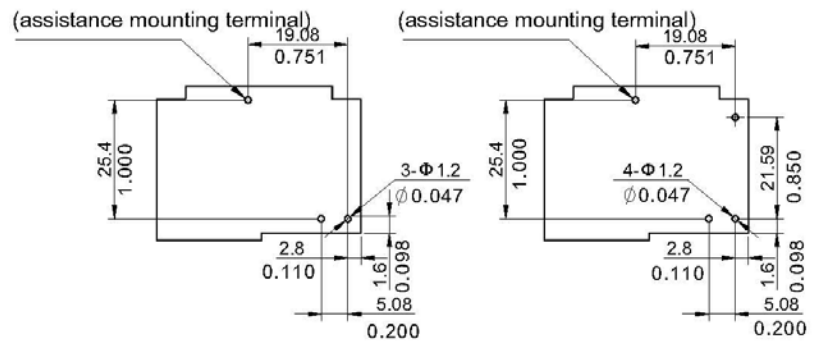
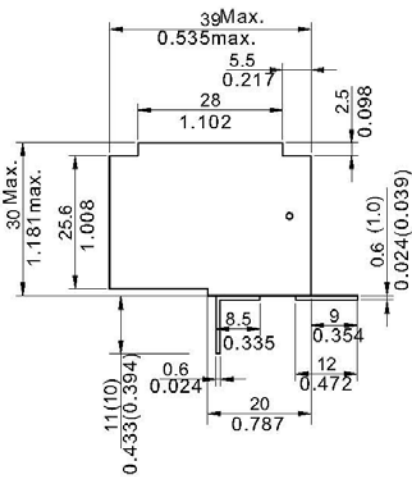
## 2 Coil Latching (2W)

Nominal voltage (VDC)	Pick-up voltage (VDC)	Coil resistance Ω(1±10%)	Pulse Duration ms	Power consumption(mW)
9	6.3	2×40.5	≥60	2×2
12	8.4	2×72	≥60	2×2
24	16.8	2×288	≥60	2×2

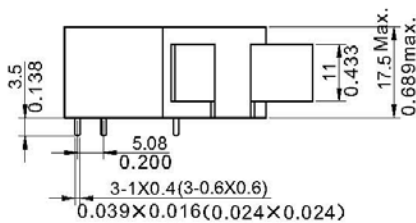
## ORDERING INFORMATION

<u>ME-87</u>	-	<u>L1</u>	-	<u>9</u>	-	<u>H</u>	-	<u>6</u>
Model No.	Sort		Coil Voltage	Contact Form		Contact current		
ME-87	L1: Single coil latching L2: Double coils latching		9、12、24VDC	H: 1A D: 1B		Nil: 80A 6: 60A 4: 40A		

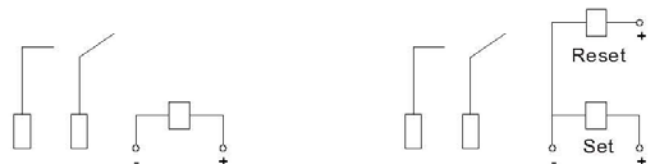
## Dimensions(unit:mm)



Mounting (Bottom view)



Dimensions



Wiring diagram

- NOTES: 1).Dimensions are in millimeters.  
 2).Inch equivalents are given for general information only.  
 3).Relays shall have plus(+) signs or "+" and "-" placed on the circuit diagram as shown.

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