

## FEATURES

- Contact load capacity up to 100A
- 1A, 1B and 1C contact arrangements
- Suitable for automobile.
- Terminal types as inserting

## CONTACT DATA

Contact form	1A, 1B, 1C,
Contact resistance (Initial)	100mΩ min (at 500VDC)
Contact rating	1A: 100A, /12VDC 50A / 24VDC 1C(NO): 50A/24VDC, 100A/12VDC 1C (NC): 50A/24VDC 80A/12VDC
Max. switching current	100A
Max. switching voltage	75VDC
Max. switching power	1800W
Contact material	Silver Alloy

## CHARACTERISTICS

Insulation resistance	100MΩ at 500VDC
Dielectric strength	1000VAC, 1min. between coil and Contacts 750VAC, 1 min. between open contacts
Operate time	7 ms
Release time	5 ms
Vibration resistance	10 – 40Hz, 1.5mm
Shock resistance	Functional:147m/s <sup>2</sup> ;Destructive:200m/s <sup>2</sup>
Humidity	40°C, 85%
Ambient temperature	- 40°C to +125°C
Life expectancy	
- Electrical	1 x 10 <sup>5</sup> operations
- Mechanical	1 x 10 <sup>7</sup> operations

## COIL SPECIFICATIONS

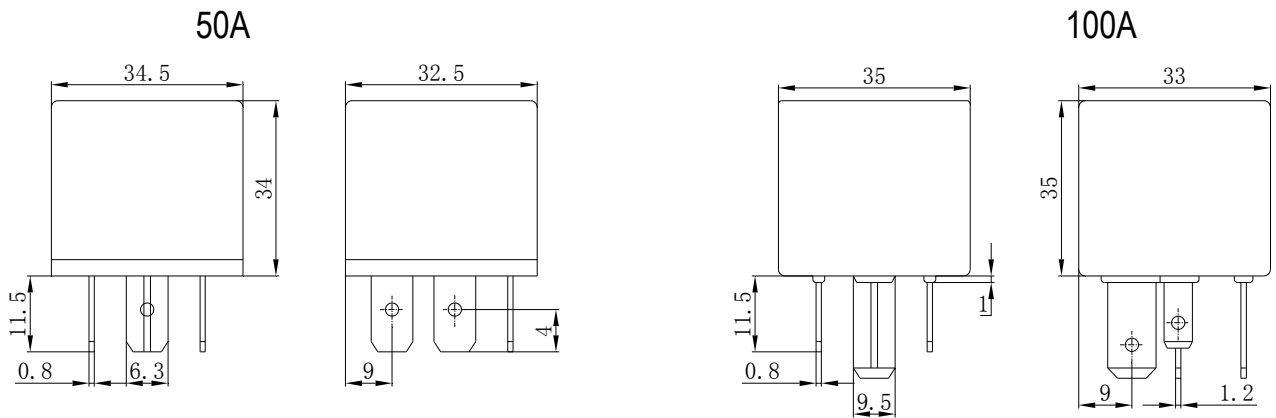
Nominal voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Allowable overdrive (VDC)	Coil resistance (Ω±10%)	Power consumption(W)
12	7.8	1.2	15.6	50	2.9
24	15.6	2.4	31.2	195	2.9

## ORDERING INFORMATION

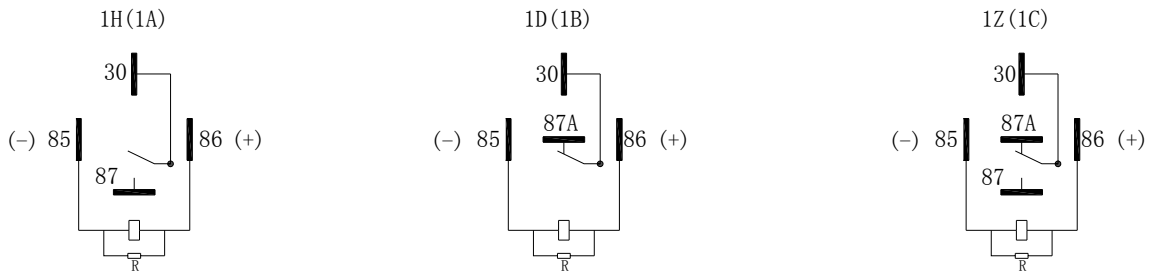
MEV5 - 012 - 1H S 1 T D

Model No.	Coil Voltage	Contact Form	Protection	Contact current	Contact material	Diode
MEV5	12 and 24VDC	1H: 1A 1D: 1B 1Z: 1C	Nil: Dust cover S: Sealed	1:50A 2:100A	Nil: AgNi T: AgSnO <sub>2</sub>	Nil: Standard D : Diode inside 2D:with two diode R: with resistance DR: with diode and resistance

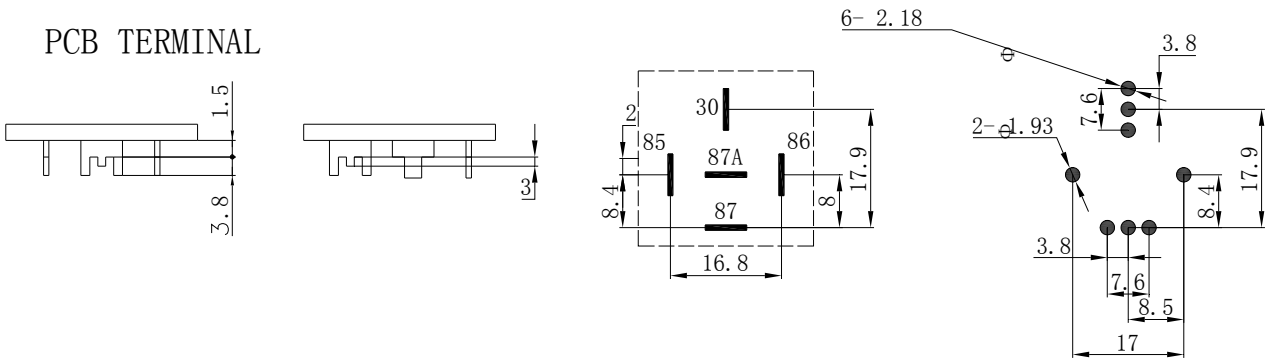
Dimensions(unit:mm)



## Wiring Diagrams BOTTOM VIEW



## PCB TERMINAL



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