

FEATURES

- Applicable to inverter used for photovoltaic power generation systems
- Two groups 50A contact switching capability
- Low coil holding voltage contributes to saving energy of equipment
- Switching between zero line and fire line
- Contact gap:3.0mm
- Insulation system: Class F
- Dimension: 40 x 35 x 38.8mm (L x W x H)

CONTACT DATA

Contact arrangement	2A
Contact resistance(initial)	10 mΩ(20A 6VDC)
Contact rating (Res,load)	Making 20A Loading 50A Breaking 20A 277VAC
Max. switching voltage	600VAC
Max. Switching current	50A
Max. Switching power	13850VA
Contact material	AgSnO ₂
Termination	PCB
Construction	Flux proofed

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	5000VAC, 1 min. between coil to contacts 2500VAC, 1 min. Between contact sets 2500VAC, 1 min. between open contacts
Surge voltage	6kV(1.2/50μs) between coil to contacts
Operate time	Max. 30 ms (nominal voltage)
Release time	Max. 30 ms (nominal voltage)
Vibration resistance	10-55Hz, 1.5mm DA
Temperature rise	70K max.(contact load current 50A, 50% to 60% rated voltage excitation, at 85°C)
Shock resistance	Functional:98m/s ² Destructive:980m/s ²
Humidity	5% to 85% RH
Ambient temperature	-40°C ~ 85°C (Apply holding voltage to coil)
Life expectancy - Mechanical - Electrical	1 x 10 ⁶ ops 3 x 10 ⁴ ops(Making 20A,Loading 50A,Breaking 20A 277VAC,Resistive load, at 85°C,1s on 9s off)

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(W)	Max. allowable voltage(VDC)
6	4.2	0.6	500	12	3.0	120% of nominal voltage
9	6.3	0.9	333.4	27	3.0	
12	8.4	1.2	250	48	3.0	
24	16.8	2.4	125	192	3.0	

ME-75

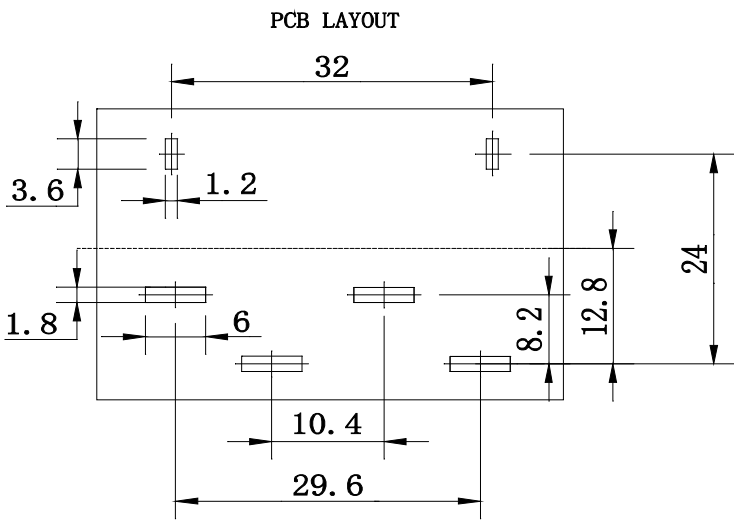
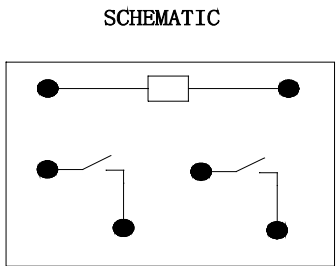
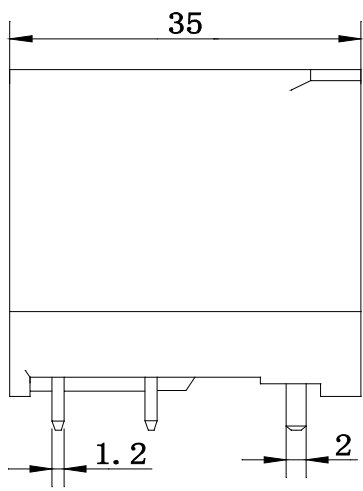
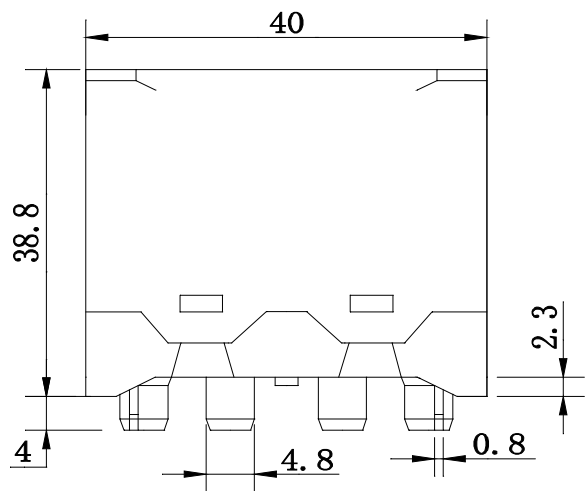
MASSUSE RELAY

ORDERING INFORMATION

<u>ME-75</u>	-	<u>012</u>	-	<u>2H</u>	<u>T</u>	<u>F</u>
Model No.	Coil Voltage		Contact Form		Contact Material	Insulation system
ME-75	6VDC-24VDC		2H: 2A		T: AgSnO ₂	F: Class F

Dimensions(unit:mm)

Tolerance:±0.4mm



- Remark:
- 1) In case of no tolerance shown in outline dimension: outline dimension≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5 mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
 - 2) The tolerance without indicating for PCB layout is always ±0.1mm.

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