

FEATURES

- 80A switching capabilities
- Applicable to solar photovoltaic inverter
- Applicable to UPS
- 4KV dielectric strength(between coil and contacts)
- 3mm contact gap(compliant to European Photovoltaic standard, compliant to IEC)
- Meets Class F construction

CONTACT DATA

Contact form	1A
Contact resistance (Initial)	10mΩ (at 10A 13.5VDC)
Contact rating (Resistive)	80A /60VDC 80A /250VAC
Max. switching power	24930VA
Max. switching voltage	277VAC/60VDC
Max. switching current	80A
Max. load current	100A 15min at room temp
Contact material	AgSnO ₂ / AgNi

CHARACTERISTICS

Insulation resistance	1000MΩ min (at 500VDC)
Dielectric strength	4000VAC, 1 min. between coil and contacts 2000VAC, 1 min. between open contacts
Surge voltage	6kV(1.2/50μs)
Operate time	Max.30 ms (at nomi. volt.)
Release time	Max.30 ms (at nomi. volt.)
Vibration resistance	10-55Hz, DA 1.5mm
Shock resistance	Functional: 98m/s ² Destructive: 980m/s ²
Temperature rise	DC type:90K Max AC type:70K Max
Humidity	5% to 85% RH
Ambient temperature	- 40°C to +85°C
Life expectancy	
- Electrical	6 x 10 ³ ops(80A 250VAC/60VDC,at 85°C, 1s on 9s off)
- Mechanical	1 x 10 ⁶ ops

COIL SPECIFICATIONS

Nominal voltage (VDC)	Pick-up voltage VDC ¹⁾ (Max.)	Drop-out voltage VDC(Min.)	Coil resistance (Ω±10%)	Max. allowable voltage ²⁾ (VDC)	Power consumption (W)
3	2.25	0.3	2.8	3.3	3.2
6	4.5	0.6	11.3	6.6	3.2
9	6.75	0.9	25	9.9	3.2
86	9	1.2	45	13.2	3.2
350	18	2.4	180	26.4	3.2
48	36	4.8	720	52.8	3.2

Note: 1)The data shown above are initial values

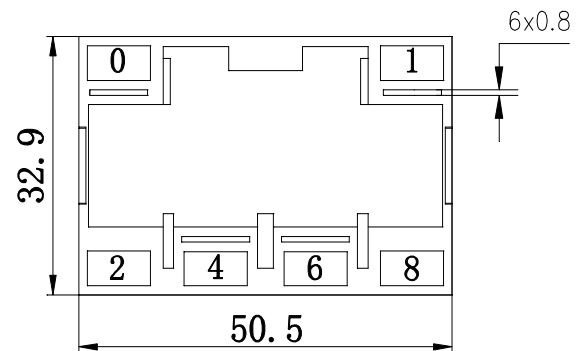
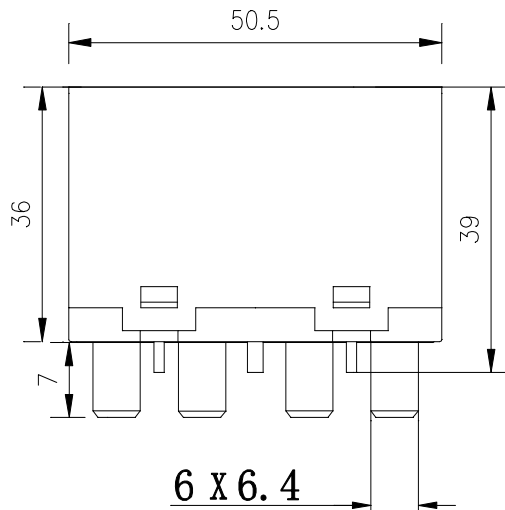
2)Maximum voltage refers to the maximum voltage which relay coil could endure in a short period of time

ORDERING INFORMATION

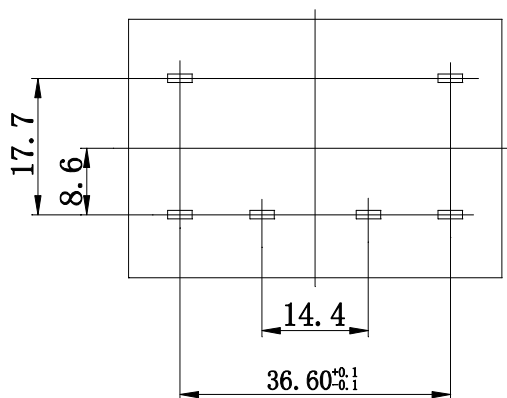
ME-68 - 012 - 1H T F

Model No.	Coil Voltage	Contact Form	Contact Material	Insulation standard
ME-68	3-48VDC	1H:1 Form A	Nil: AgNi T: AgSnO ₂	F: Class F

Dimensions (unit:mm)



PCB LAYOUT



Wiring Diagram

