

FEATURES

- Applicable to inverter used for photovoltaic power generation systems
- 35A switching capability
- Low coil holding voltage contributes to saving energy of equipment
- Ideal for UPS
- Contact gap:1.8mm
- Insulation system: Class F

CONTACT DATA

Contact arrangement	1A
Voltage drop	Type,: 15mV(at 10A) Max,: 100mV(at 10A)
Contact rating (Res,load)	Resistive:35A 250VAC Inductive: 35A 277VAC (cosΦ=0.8) 1s:9s
Max. switching voltage	277VAC
Max. Switching current	35A
Max. Switching power	9695VA
Contact material	AgSnO ₂
Termination	PCB
Construction	Flux proofed

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	4000VAC, 1 min. between coil to contacts 2500VAC, 1 min. between open contacts
Surge voltage	6kV(1.2/50μs) between coil to contacts
Operate time	Max. 15 ms (nominal voltage)
Release time	Max. 10 ms (nominal voltage)
Vibration resistance	10-55Hz, 1.5mm DA
Temperature rise	70K max.(contact load current 43A, 50% of 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(35A 250VAC,Resistive load, at 85°C,1s on 9s off)

COIL SPECIFICATIONS

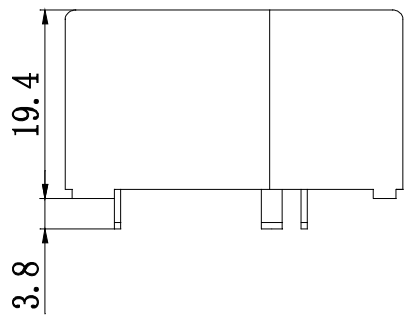
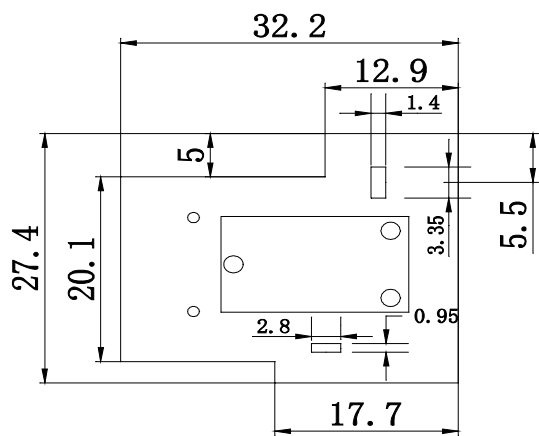
Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(W)	Max. allowable voltage(VDC)
5	3.75	0.35	450	11	2.25	110% of nominal voltage
12	9	0.84	187.5	64	2.25	
24	18	1.68	93.8	256	2.25	
48	36	3.36	46.9	1024	2.25	

ORDERING INFORMATION

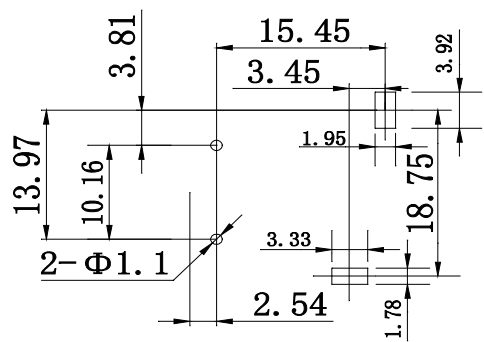
<u>ME-65</u>	-	<u>012</u>	-	<u>H</u>	<u>T</u>
Model No.	Coil Voltage		Contact Form		Contact Material
ME-65	5VDC-48VDC		H: 1A		T: AgSnO ₂

Dimensions(unit:mm)

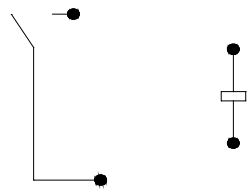
Tolerance:±0.4mm



PCB LAYOUT



SHCEMATIC



- 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.