

FEATURES

- Applicable to solar photovoltaic inverter
- 260A switching capability
- Low coil holding voltage contributes to saving energy of equipment
- Contact gap: 4.0mm
- Insulation system: Class F

CONTACT DATA

Contact arrangement	1A
Contact resistance(initial)	1 mΩ(20A 6VDC)
Contact rating (Res.load)	Making:55A Carrying 260A breaking 55A 800VAC
Max. switching voltage	830VAC
Max. Switching current	260A
Max. Switching power	45650VA
Contact material	AgNi
Termination	PCB
Construction	Flux proofed

CHARACTERISTICS

Insulation resistance	1000MΩ at 500VDC
Dielectric strength	5000VAC, 1 min. between coil to contacts 2000VAC, 1 min. between open contacts
Surge voltage	10kV(1.2/50μs)
Operate time	Max. 30 ms (nominal voltage)
Release time	Max. 10 ms (nominal voltage)
Vibration resistance	10-55Hz, 1.0mm DA
Temperature rise	70K max.(contact load current 260A,coil rated voltage is reduced to holding voltage after 100ms of 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 (Coil rated voltage is reduced to holding voltage after 100ms of excitation)
Life expectancy - Mechanical - Electrical	1 x 10 ⁶ ops 1 x 10 ⁴ ops(85°C,1s on 9s off,Making55A,carrying 260A,breaking 55A,800VAC,Res.load)

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	4.5	0.6	500	12	3	120% of nominal voltage
9	6.75	0.9	333	27	3	
12	9	1.2	250	48	3	
24	18	2.4	125	192	3	

ORDERING INFORMATION

ME-92

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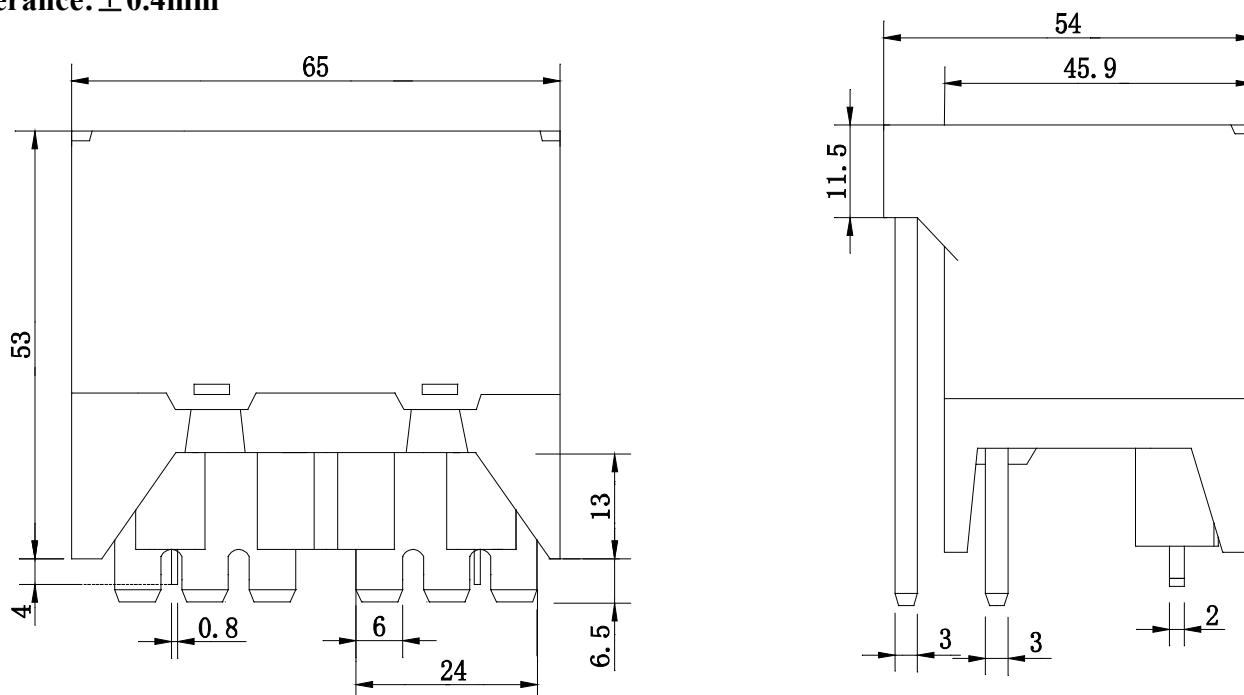
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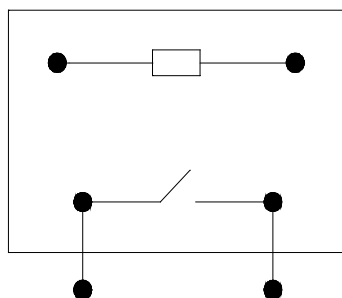
H**F**

Model No.	Coil Voltage	Contact Form	Insulation System
ME-92	6VDC-24VDC	H: 1A	F: Class F

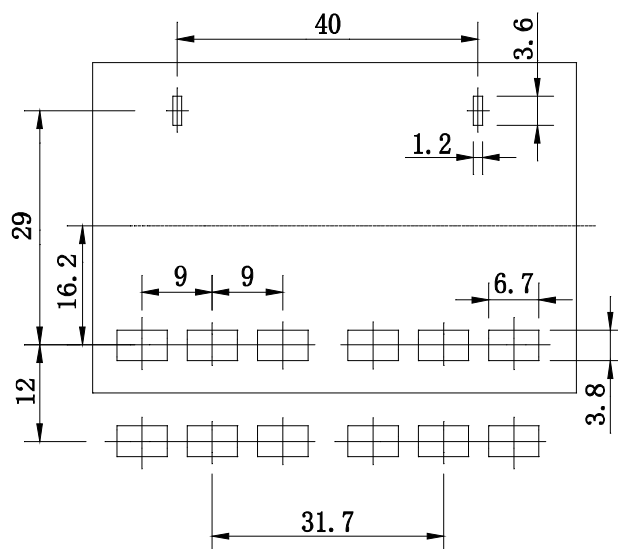
Dimensions(unit:mm)

Tolerance: $\pm 0.4\text{mm}$ 

SCHEMATIC



PCB LAYOUT

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