ME108

新能源应用

New Energy Applications

- 外形尺寸 L36×W30×H40mm
- 双组高功率 PCB 型，负载可达到 35A 277VAC
- 触点间隙≥ 3.6mm
- 适用于光伏逆变器、UPS 电源、固定型 EV 充电器、APF 等领域

- Dimension L36×W30× H40mm
- Two-pole high power PCB type, the load can reach 35A 277VAC
- Contact gap ≥ 3.6mm
- Suitable for photovoltaic inverters, UPS power supplies, fixed EV chargers, APF and other fields

ME108 - **2** **A** - **1b** - **F**

产品型号 Model	触点组数 Number of Poles	触点形式 Contact Form	辅助触点 Auxiliary Contact	绝缘等级 Insulation Class
	2：2 组 2-Pole	A: 常开 NO	无：不带有辅助触点 1b：带有 1 组常闭辅助触点 Nil: without auxiliary contacts 1b: with 1 pole of normally closed auxiliary contacts	F:F 级 Class

触点参数 CONTACT PARAMETERS

触点形式 Contact Form	2a、2a1b
触点材料 Contact Material	银合金 Silver Alloy
接触电阻 Contact Resistance(初始 Initial)	主触点 Main contact：≤ 100mΩ（1A 6VDC） 辅助触点 Auxiliary contact：≤ 100mΩ （1A 6VDC）
最大切换电流 Max. Switching Current	主触点 Main contact：40A 辅助触点 Auxiliary contact：1A
最大切换电压 Max. Switching Voltage	主触点 Main contact：480VAC 辅助触点 Auxiliary contact：30VDC
最大切换功率 Max. Switching Power	主触点 Main contact：11080VA 辅助触点 Auxiliary contact：30W
电气寿命 Electrical Life	≥ 1×10^4 次 Ops （40A 277VAC 阻性负载 Res. Load,85°C ,1s 通 On: 9s 断 Off） ≥ 1×10^4 次 Ops （35A 277VAC 阻性负载 Res. Load,85°C ,1s 通 On: 9s 断 Off）
机械寿命 Mechanical Life	1×10^6 次 Ops

性能参数 CHARACTERISTICS

绝缘电阻 Insulation Resistance	1000MΩ（500VDC）
介质耐压 Dielectric Strength	同组主触点间 Between open main contacts of same pole : 2000VAC 1min 两组主触点间 Main contacts between two poles: 2000VAC 1min 断开辅助触点间 Between auxiliary contacts：1000VAC 1min 主触点与辅助触点间 Between main and auxiliary contact：5000VAC 1min 主触点与线圈间 Between main contact and coil：5000VAC 1min 辅助触点与线圈间 Between auxiliary contact and coil：2000VAC 1min
动作时间 Operate Time	≤ 30ms
释放时间 Release Time	≤ 10ms
环境温度 Ambient Temperature	-40°C ~+85°C
振　　动 Vibration Resistance	10Hz~55Hz 1.0mm 双振幅 (DA)
冲　　击 Shock Resistance	功能性的 Functional: 98m/s^2(10G) 破坏性的 Destructive: 980m/s^2(100G)
引出端形式 Termination	印制板式 PCB
封装形式 Construction	防焊剂式 Flux Proof
重　　量 Unit Weight	约 Approx. 66g

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线圈规格表 Coil Data(23°C)

额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	最大容许电压 Max Allowable Voltage VDC	线圈电阻 Coil Resistance Ω±10%	线圈功率 Coil Power W
6	≤ 4.5	≥ 0.3	6.6	19.1	1.88
9	≤ 6.75	≥ 0.45	9.9	43.1	
12	≤ 9	≥ 0.6	13.2	76.6	
24	≤ 18	≥ 1.2	26.4	306.4	

线圈保持电压 COIL HOLDING VOLTAGE

保持电压 Holding Voltage	30% to 110%U_N (at 23°C) 40% to 60%U_N (at 85°C)

备注 Notes:
(1) 线圈保持电压为线圈施加额定电压 100ms 以上的线圈电压。The coil holding voltage is the voltage of coil after being applied rated voltage for 100ms
(2) 继电器线圈不允许长时间施加超过保持电压的上限值，防止继电器过热烧毁。The relay coil is not allowed to exceed the upper limit of the holding voltage for a long time, preventing the relay from overheating and burning.

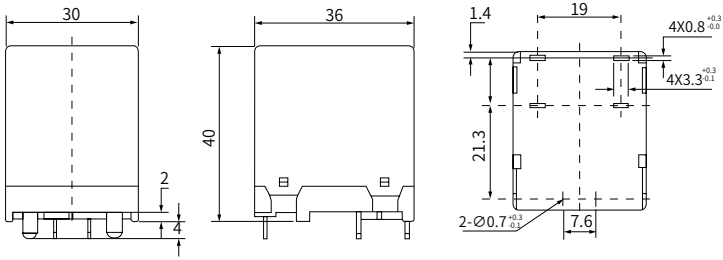
安全认证 SAFETY STANDARD APPROVALS

安全认证 Safety Standard Approvals	UL	TUV	CQC	VDE
证书编号 Certificate No.	E313266	R50558472	CQC22002340612	40057452
负　　载 Load	40A 277VAC 35A 277VAC Making 10 277VAC Loading 40 277VAC Breaking 10 277VAC	40A 277VAC 35A 277VAC Making 10 277VAC Loading 40 277VAC Breaking 10 277VAC	40A 277VAC 35A 277VAC Making 10 277VAC Loading 40 277VAC Breaking 10 277VAC	40A 277VAC 35A 277VAC 1A 30VDC

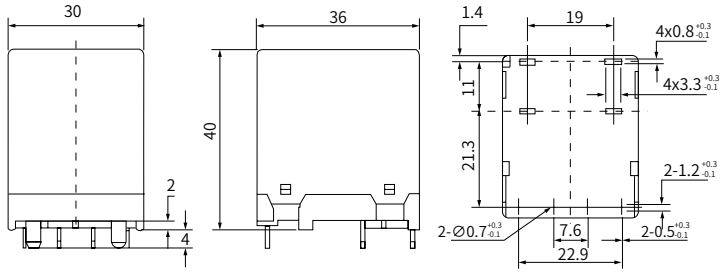
外形尺寸、接线图、安装孔尺寸
PROFILE DIMENSION,WIRING DIAGRAM AND PCB LAYOUT (单位 Unit: mm)

外形尺寸 Profile Dimension

ME108-2A-F:



ME108-2A1b-F:



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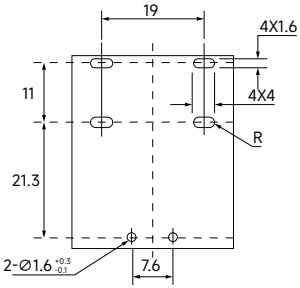
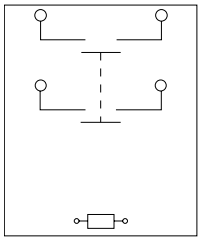
安装孔尺寸 PCB LAYOUT（底视 BOTTOM VIEW）　接线图 WIRING DIAGRAM（底视 BOTTOM VIEW）

ME108-2A-F:





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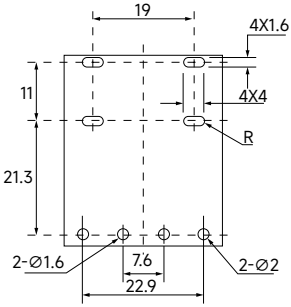

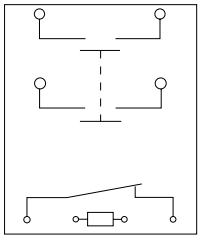

备注 Notes:

1) 产品部分外形尺寸未注尺寸公差，当外形尺寸≤ 1mm，公差为 ±0.2mm；当外形尺寸在 1~5mm 之间时，公差为 ±0.3mm；当外形尺寸 > 5mm 时，公差为 ±0.4mm。
In case of no tolerance shown in outline dimension: outline dimension ≤ 1mm, tolerance should be ±0.2mm; outline dimension > 1mm and ≤ 5mm, tolerance should be ±0.3mm; outline dimension > 5mm, tolerance should be ±0.4mm;

2) 安装孔尺寸中未注尺寸公差的均为 ±0.1mm。
The tolerance without indicating for PCB layout is always ±0.1mm.

声明 STATEMENT:

1. 本产品规格书仅供客户使用时参考，若有更改，恕不另行通知。
This product specification for client's reference, if any change without notice.
2. 对美硕而言，不可能评定继电器在每个具体应用领域的所有性能参数要求，因而客户应该根据具体的使用条件选择与之相匹配的产品，若有疑问，请与美硕联系获取更多的技术支持。但产品选型责任仅由客户负责。
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Although this catalogue has been proofread for many times, it is only for reference.
All items are subject to the actual products.

继电器综合样本 RELAYS COMPONENTS 2025

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