

ME121

新能源应用

New Energy Applications

- 外形尺寸 L34×W19×H27.8mm
- 66A 触点载流能力
- 触点间隙 ≥ 2.4mm
- 适用于太阳能光伏逆变器、充电桩等领域
- Dimension L34×W19× H27.8mm
- 66A contact current carrying capacity
- Contact gap ≥ 2.4mm
- Suitable for solar photovoltaic inverters, charging piles and other fields

**ME121****S****1****A****F**

产品型号 Model	封装形式 Construction	触点组数 Number of Poles	触点形式 Contact Form	绝缘等级 Insulation Class
	S: 塑封型 Wash tight	1: 1组 1 Pole	A: 常开 NO	F: F级 Class

触点参数 CONTACT PARAMETERS

触点形式 Contact Form	1a
触点材料 Contact Material	银合金 Silver Alloy
接触电阻 Contact Resistance(初始 Initial)	≤ 100mΩ (at 1A 6VDC)
最大切换电流 Max. Switching Current	66A
最大切换电压 Max. Switching Voltage	600VAC
最大切换功率 Max. Switching Power	18282VA
电气寿命 Electrical Life	≥ 1×10 ⁵ 次 Ops (66A 277VAC, 阻性负载 Res. Load, 1s On: 9s Off) ≥ 1×10 ⁴ 次 Ops (接通 Making 20A, 载流 Loading 66A, 断开 Breaking 20A, 600VAC, 阻性 Res. load, 85°C, 1s 通 On: 9s 断 Off.)
机械寿命 Mechanical Life	≥ 1×10 ⁶ 次 Ops

备注：电气寿命数据仅供参考，以最终产品确认规格书为准。

Notes: The electrical life data is only for reference, and the final product confirmation specification shall prevail.

性能参数 CHARACTERISTICS

绝缘电阻 Insulation Resistance	1000MΩ (500VDC)
介质耐压 Dielectric Strength	触点与线圈间 Between Coil & Contacts: 4000VAC 1min 断开触点间 Between Open Contacts: 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 1.5mm 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	塑封型 Wash tight
重量 Unit Weight	约 Approx. 51g

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 $\Omega \pm 10\%$	线圈功率 Coil Power W
9	≤ 7.2	≥ 0.45	10.8	21	3.8
12	≤ 9.6	≥ 0.6	14.4	38	
24	≤ 19.2	≥ 1.2	28.8	152	

线圈保持电压 COIL HOLDING VOLTAGE

保持电压 Holding Voltage	40% to 70%U _N (at 23°C) 40% to 55%U _N (at 85°C)
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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.

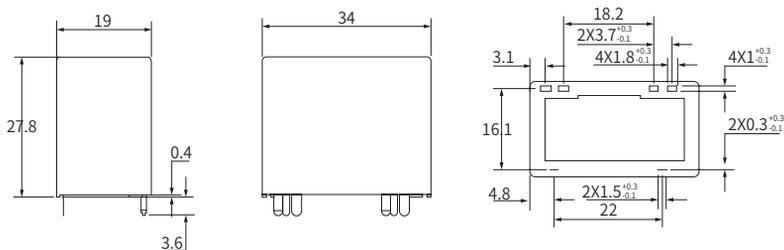
安全认证 SAFETY STANDARD APPROVALS

安全认证 Safety Standard Approvals	UL	CQC	VDE
证书编号 Certificate No.	E313266	CQC22002370836	40056488
负载 Load	Making 20 600VAC Loading 66 600VAC Breaking 20 600VAC	55A 250VAC Making 20 600VAC Loading 66 600VAC Breaking 20 600VAC	55A 250/277VAC 65A 250/277VAC 接通与分断 Making & breaking 20A, 载流 loading 66A 20VAC 600VAC

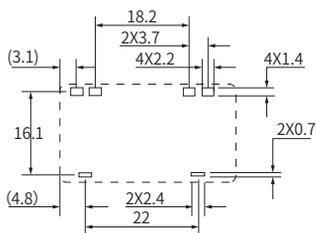
外形尺寸、接线图、安装孔尺寸

PROFILE DIMENSION, WIRING DIAGRAM AND PCB LAYOUT (单位 Unit: mm)

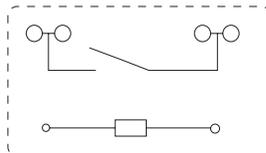
外形尺寸 Profile Dimension



安装孔尺寸 PCB Layout (底视 Bottom View)



接线图 Wiring Diagram (底视 Bottom View)



备注 Notes:

- 1) 产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$, 公差为 $\pm 0.2\text{mm}$; 当外形尺寸在 $1\text{-}5\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$ 时, 公差为 $\pm 0.4\text{mm}$ 。
In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$;
- 2) 安装孔尺寸中未注尺寸公差的均为 $\pm 0.1\text{mm}$ 。
The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

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。
MEISHUO cannot evaluate all performance parameters for each specific application. Customers should select products based on matching conditions. For technical support, please contact us. Product selection responsibility lies solely with the customer.

本目录虽经多次校对以求正确，但仅供参考之用，一切以产品实物为准。
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



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