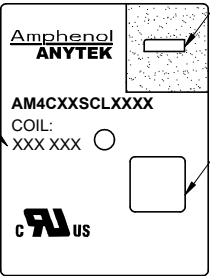


RoHS Compliant

| Rev.                                           | SIGN | DATE     | DESCRIPTION       | APPROVER |
|------------------------------------------------|------|----------|-------------------|----------|
| B                                              | —    | 11/12'24 | The first release | PansLee  |
| THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!! |      |          |                   |          |

AC需增加电源频率,  
DC无电源频率/  
Shows frequency for AC,  
No power frequency for DC

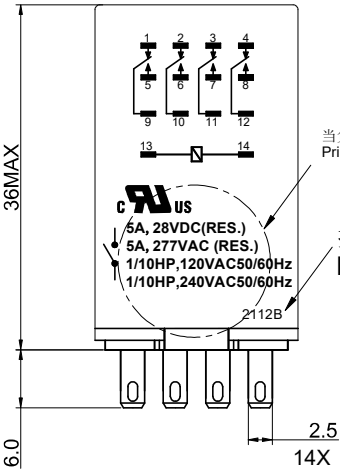


机械指示旗视窗/  
Mechanical indication flag  
window

LED视窗/  
LED window

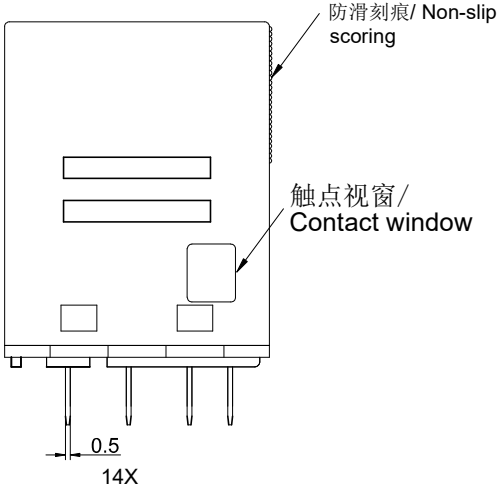
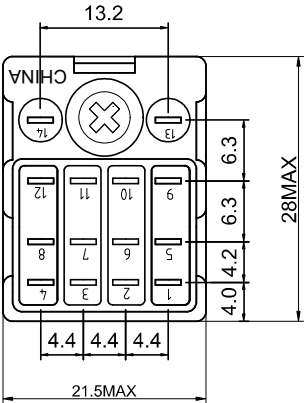
**UL US**  
8A,28VDC(RES.)  
8A,277VAC(RES.)  
10A,120VAC(RES.)  
1/3HP,120VAC 50/60Hz  
1/2HP,277VAC 50/60Hz

当负载为10A 印字图/  
Print content of 10A load



当负载为5A 印字图/  
Print content of 5A load

批号 (年+周)  
Lot number



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|              |                                             |                       |                       |                                                                                       |             |      |      |
|--------------|---------------------------------------------|-----------------------|-----------------------|---------------------------------------------------------------------------------------|-------------|------|------|
| TITLE        | AM-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY |                       |                       |                                                                                       |             |      |      |
| PART NO.     | AM4CXXSCLXXXX00G                            |                       |                       | DWG NO.                                                                               | 8AM4C-0011  |      |      |
| APPROVED     | CHECKED                                     | DESIGNED              | DRAWN                 | CUST NO.                                                                              | Tolerance   |      |      |
|              |                                             | PansLee<br>2024.11.12 | PansLee<br>2024.11.12 |  | UNIT: mm    | 0~1  | ±0.2 |
|              |                                             |                       |                       |                                                                                       | SCALE: NONE | >1~5 | ±0.3 |
|              |                                             |                       |                       |                                                                                       | REV.: B     | >5   | ±0.4 |
| SHEET: 01/02 |                                             |                       |                       | REV.: B                                                                               |             |      |      |

RoHS Compliant

触点参数/Contact parameters

- 触点形式/Contact Arrangement: 4PDT
- 接触电阻/Contact Resistance: 100mΩ Max. At 6VDC,1A
- 触点材质/Contact Material: AgNi
- 阻性负载/Resistive load : AM4C05:5A@28VDC,277VAC 50~60Hz  
AM4C10:8A@28VDC,277VAC 50~60Hz  
AM4C10:10A@120VAC 50~60Hz
- 马达负载/Motor load: AM4C05:1/10HP@120VAC 50~60Hz ; 1/10HP@240VAC 50~60Hz  
AM4C10:1/3HP@120VAC 50~60Hz ; 1/2HP@277VAC 50~60Hz
- 电气寿命:10万次/Electrical Life:100,000 operations
- 机械寿命:1000万操作次数, 在无负载情况下/Mechanical Life: 10,000,000 operations at No Load condition.

综合性能参数/Comprehensive performance parameter

- 绝缘电阻/Insulation resistance:500MΩ Min. at 500VDC
- 介质耐压(初始) /Dielectric strength (initial) : 同极触点间1000VAC,1Min/Between contacts of the same polarity 1000VAC,1Min  
异极触点间1500VAC,1Min/Between contacts of different polarity 1500VAC,1Min  
线圈触点间1500VAC,1Min / Between coil and contacts 1500VAC,1Min  
漏电流: 最大3mA / Leakage current: 3 mA Max .

- 动作时间/Operate time: 20ms Max.
- 释放时间/Release time: 20ms Max.

使用环境/Service environment

- 使用环境温度/Ambient temperature: -25~+50℃
- 湿度/Ambient humidity: 5%-85%
- 抗冲击/Shock resistance :冲击强度/Destructive: 1,000 m/s<sup>2</sup>  
稳定性 /Functional: 200 m/s<sup>2</sup>
- 耐振动/Vibration resistance:10Hz to 55Hz 1mm DA

其它/Other

- 基座材质:UL94V-0, 酚醛塑料,模塑成型, 耐温155度  
/The base material:UL94V-0, Phenolic molding compound, temperature resistance155℃
- 防尘外壳: 透明PC/Dust-proof cover: Transparent PC
- 重量/Weight: About 37g
- 安规认证/Safety Approval: cULus UL证书号码 /UL File Number: E521873

线圈参数,在23℃环境下/Coil parameters (At 23℃)

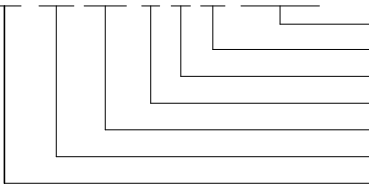
线圈绝缘系统:UL认证, B级, 130度/Coil insulation system: UL Approval, Group B,130℃

| 线圈规格代码<br>Coil voltage<br>code | 线圈额定电压<br>Rated coil<br>voltage | 线圈电阻 Coil<br>resistance<br>(Ω)±10% | 线圈功率 Power<br>Consumption | 动作电压<br>Operate voltage | 释放电压<br>Release voltage | 线圈最大电压<br>Max. allowable<br>voltage |
|--------------------------------|---------------------------------|------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------------------|
| D006                           | 6 VDC                           | 40                                 | 0.89~1.1 W                | 75%<br>Maximum          | 10%<br>Minimum          | 110%<br>Maximum                     |
| D012                           | 12 VDC                          | 160                                |                           |                         |                         |                                     |
| D024                           | 24 VDC                          | 650                                |                           |                         |                         |                                     |
| D048                           | 48 VDC                          | 2600                               |                           |                         |                         |                                     |
| D110                           | 110 VDC                         | 11000                              |                           |                         |                         |                                     |
| A006                           | 6 VAC                           | 9.5                                | 1.2 VA                    | 80%<br>Maximum          | 30%<br>Minimum          | 110%<br>Maximum                     |
| A012                           | 12 VAC                          | 46                                 |                           |                         |                         |                                     |
| A024                           | 24 VAC                          | 180                                |                           |                         |                         |                                     |
| A048                           | 48 VAC                          | 770                                |                           |                         |                         |                                     |
| A110                           | 110 VAC                         | 3830                               |                           |                         |                         |                                     |
| A120                           | 120 VAC                         | 4430                               |                           |                         |                         |                                     |
| A220/230                       | 220/230 VAC                     | 15000                              |                           |                         |                         |                                     |
| A240                           | 240 VAC                         | 15700                              |                           |                         |                         |                                     |

注: 交流线圈电源频率50~60Hz/Attention:The frequency of AC Coil is 50~60Hz.

继电器规格号示例Part Number Description:

AM 4C XX S C L XXXX 00G



- 线圈规格代码Coil Voltage: D024:DC24V A220:AC220V
- LED : L: 带LED指示灯 With LED indicator
- 外壳形式Cover type: C: 一般外壳plain cover
- 引出端形式Terminal Type: S:0.5x2.5插入型 plug-in terminal
- 触点额定负载Contact rating: 05: 5A 10:10A
- 触点形式Contact Arrangement: 4C: 4PDT, 四组转换Four groups of conversion
- 产品型号Series Designation : AM Series

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| TITLE    |                 | AM-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY |                       |                                                                                       |              |  |           |
|----------|-----------------|---------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|--------------|--|-----------|
| PART NO. | AM4CXXSCLXXX00G |                                             |                       | DWG NO.                                                                               | 8AM4C-0011   |  |           |
| APPROVED | CHECKED         | DESIGNED                                    | DRAWN                 | CUST NO.                                                                              |              |  | Tolerance |
|          |                 | PansLee<br>2024.11.12                       | PansLee<br>2024.11.12 |  | UNIT: mm     |  | 0~1 ±0.2  |
|          |                 |                                             |                       |                                                                                       | SCALE: NONE  |  | >1~5 ±0.3 |
|          |                 |                                             |                       |                                                                                       | SHEET: 02/02 |  | >5 ±0.4   |
|          |                 |                                             |                       | REV.: B                                                                               |              |  |           |