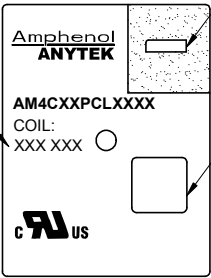


RoHS Compliant

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

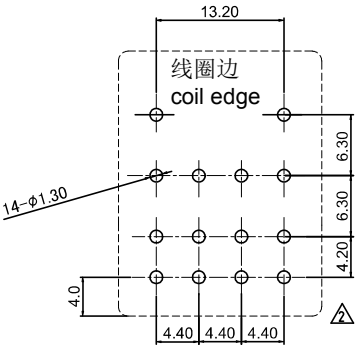


机械指示旗视窗/
Mechanical indication flag
window

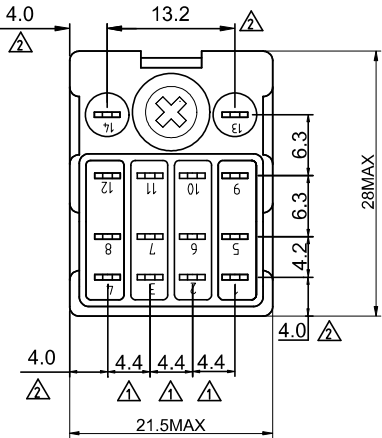
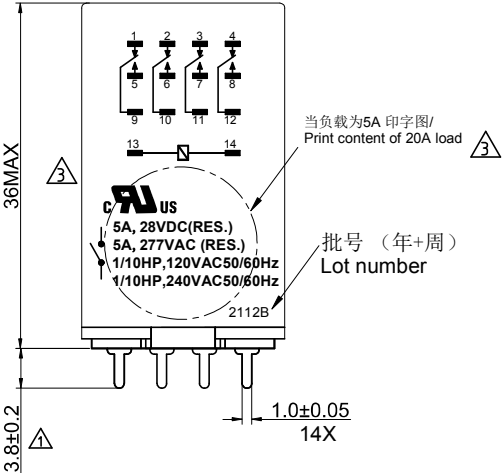
LED视窗/
LED window

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

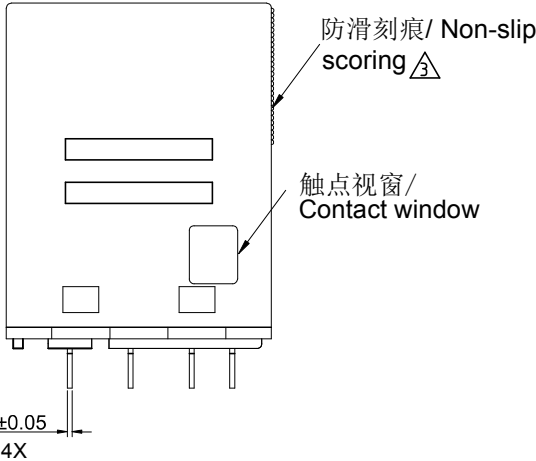
当负载为10A 印字图/
Print content of 10A load



RECOMMENDED PCB LAYOUT



Rev.	SIGN	DATE	DESCRIPTION	APPROVER
A0	—	03/21'22	The first release	PansLee
A1	△	10/11'23	Dim changed from 4 , 4.2 to 4.4 , 3.8±0.2	PansLee
	△	10/11'23	Added PCB board drilling view,add reference size	PansLee
	△	10/11'23	Update drawing information , Remove critical size controls	PansLee
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				



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TITLE		AM-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY					
PART NO.	AM4CXXPCLXXX00G			DWG NO.	8AM4C-0012		
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.			Tolerance
		PansLee 2023.10.11	PansLee 2023.10.11		UNIT: mm	X.X ±0.20	
					SCALE: NONE	X.XX ±0.05	
					SHEET: 01/02	REV: A1	X.XXX ±0.005
							X° ±1°

RoHS Compliant

触点参数/Contact parameters

- 触点形式/Contact Form: 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/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 
- 介电耐压(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/s²
稳定性 /Functional: 200 m/s² 
- 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 Coil voltage code	线圈额定电压 Rated coil voltage	线圈电阻 Coil resistance (Ω)±10%	线圈功率 Power Consumption	动作电压 Operate voltage	释放电压 Release voltage	线圈最大电压 Max. allowable voltage
D006	6 VDC	40	0.89~1.1 W	75% Maximum	10% Minimum	110% 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% Maximum	30% Minimum 	110% 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 P 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: P:PCB焊接式端子
- 触点额定负载Contact rating: 05: 5A 10:10A
- 触点形式Contact Form: 4C: 4PDT, 四组转换Four groups of conversion
- 产品型号Series Designation : AM Series

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APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance		
		PansLee 2023.10.11	PansLee 2023.10.11		UNIT: mm	X.X	±0.20
					SCALE: NONE	X.XX	±0.05
					REV.: A1	X.XXX	±0.005
				SHEET: 02/02		X°	±1°