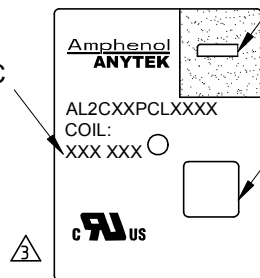


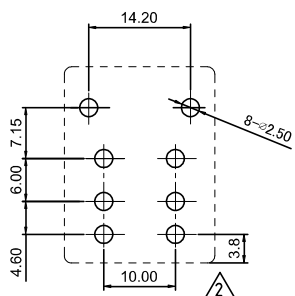
AC需增加电源频率,
DC无电源频率/
Shows frequency for AC,
No power frequency for DC

LED视窗/
LED window

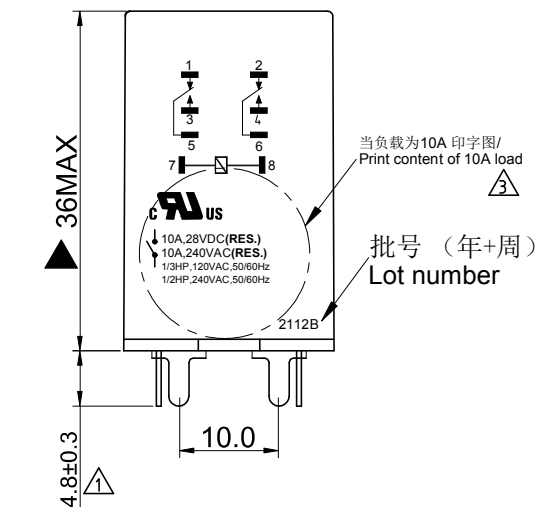
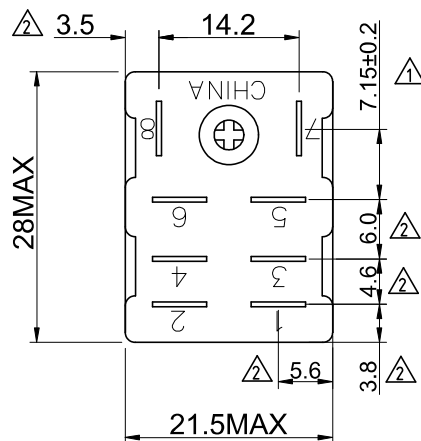


CAUS
20A,28VDC(RES.)
20A,120VAC(RES.)
● 20A,277VAC(RES.)
● 1/2HP,120VAC 50/60Hz
1HP,277VAC 50/60Hz

当负载为20A 印字图/
Print content of 20A.load

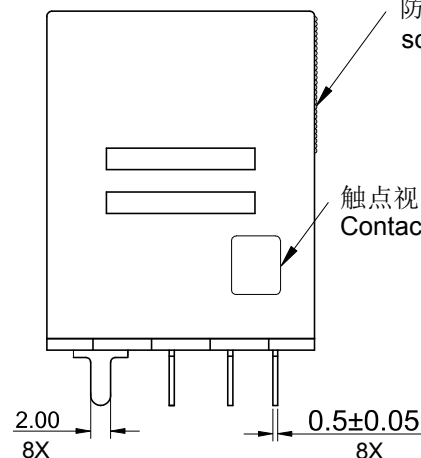


RECOMMENDED PCB LAYOUT

批号 (年+周)
Lot number

防滑刻痕 / Non-slip
scoring 

触点视窗/
Contact window



Rev.	SIGN	DATE	DESCRIPTION	APPROVER
A0	—	03/21'22	The first release	PansLee
A1		10/11'23	Dim changed from 5.5±0.5, 7.5 to 4.8±0.3, 7.15±0.2	PansLee
		10/11'23	Add 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 MANUALL Y!!!				

Amphenol ANYTEK				CUSTOMER COPY ALL RIGHTS RESERVED. REPRODUCTION OR ISSUE TO THIRD PARTIES IN ANY FORM WHATEVER IS NOT PERMITTED WITHOUT WRITTEN AUTHORITY FROM THE PROPRIETOR. PROPERTY OF ANYTEK TECHNOLOGY CO., LTD			
TITLE	AL-DPDT/LED/INDICATOR FLAG INDUSTRIAL RELAY						
PART NO.	AL2CXXPCLXXXX00G			DWG NO.	8AL2C-0002		
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	±1°

RoHS Compliant

触点参数/Contact parameters

- 触点形式/Contact Form: DPDT
- 接触电阻/Contact Resistance: 100mΩ Max. At 6VDC,1A
- 触点材质/Contact Material: AgSnO₂/AgNi
- 阻性负载/Resistive load : AL2C10:10A@28VDC,240VAC 50~60Hz
AL2C20:20A@28VDC,120VAC / 277VAC 50~60Hz
- 马达负载/Motor load: AL2C10:1/3HP@120VAC 50~60Hz;1/2HP@240VAC 50~60Hz
AL2C20:1/2HP@120VAC 50~60Hz;1HP@277VAC 50~60Hz
- 电气寿命:10A:10万次,20A:5万次 /Electrical Life:100,000 operations under 10A load
50,000 operations under 20A load
- 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:

AL 2C XX P C L XXXX 00G



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PART NO.		AL2CXXPCLXXX00G		DWG NO.	8AL2C-0002	
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance	
		PansLee 2023.10.11	PansLee 2023.10.11		UNIT: mm	X.X ±0.20
						X.XX ±0.05
						X.XXX ±0.005
						X° ±1°
				SHEET: 02/02		REV.: A1

Mouser Electronics

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[AL2C10PCLD02400G](#) [AL2C20PCLD02400G](#) [AL2C10PCLA22000G](#) [AL2C20PCLA22000G](#)