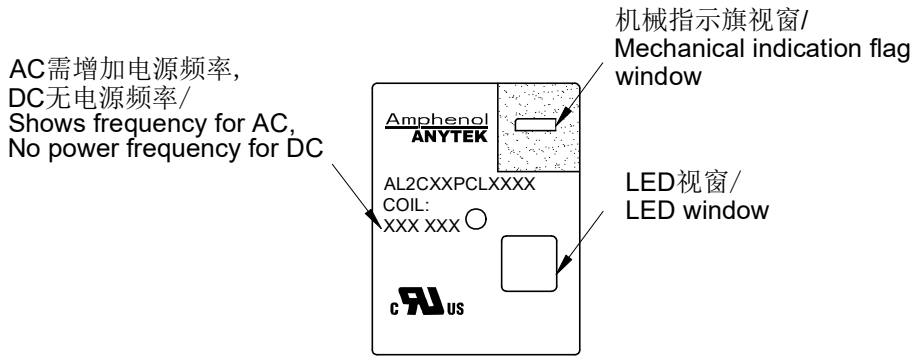
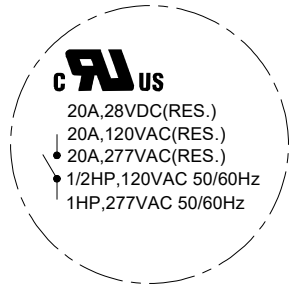
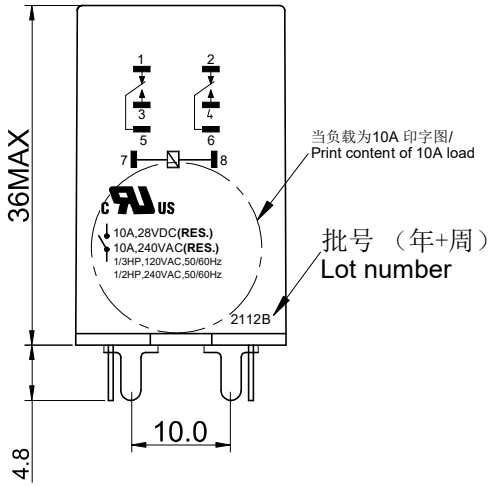
RoHS Compliant

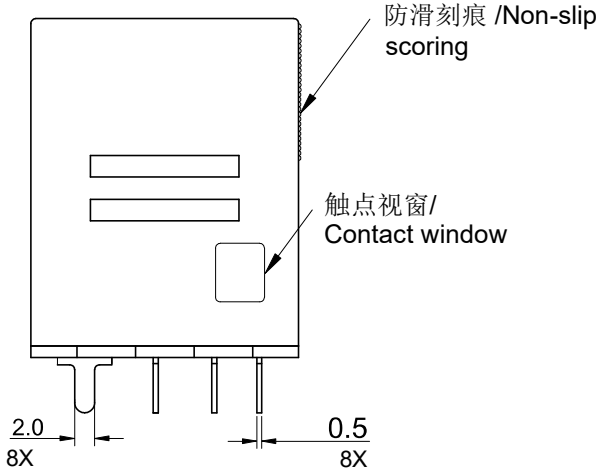
Rev.	SIGN	DATE	DESCRIPTION	APPROVER
B	—	11/12'24	The first release	PansLee
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				

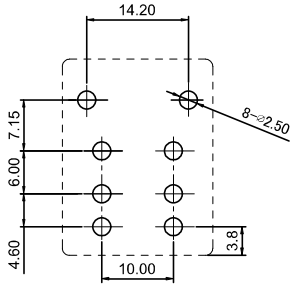




当负载为20A 印字图/
Print content of 20A load

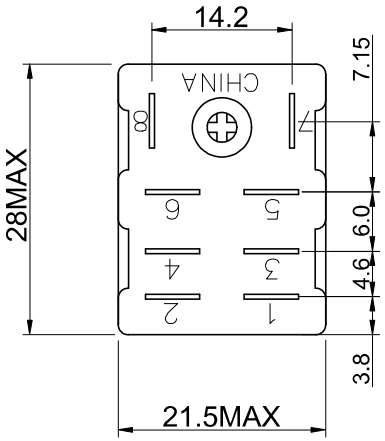






RECOMMENDED PCB LAYOUT

PCB mounting hole size tolerance ±0.05



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TITLE	AL-DPDT/LED/INDICATOR FLAG INDUSTRIAL RELAY				
PART NO.	AL2CXXPCLXXXX00G			DWG NO.	8AL2C-0002
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	
		PansLee 2024.11.12	PansLee 2024.11.12	UNIT: mm SCALE: NONE SHEET: 01/02 REV.: B	Tolerance 0~1 ±0.2 >1~5 ±0.3 >5 ±0.4

RoHS Compliant

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/Coi1 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.

触点参数/Contact parameters
●触点形式/Contact Arrangement：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/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：c UL us UL证书号码 /UL File Number: E521873

继电器规格号示例Part Number Description：

AL 2C 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Cotact rating: 20: 20A 10:10A
- 触点形式Contact Arrangement: 2C: DPDT，两组转换Two groups of conversion
- 产品型别Series Designation : AL Series

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APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.	
		PansLee 2024.11.12	PansLee 2024.11.12	UNIT: mm SCALE: NONE SHEET: 02/02 REV.: B	

Tolerance	
0~1	±0.2
>1~5	±0.3
>5	±0.4