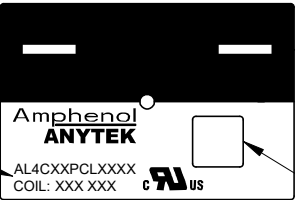


RoHS Compliant

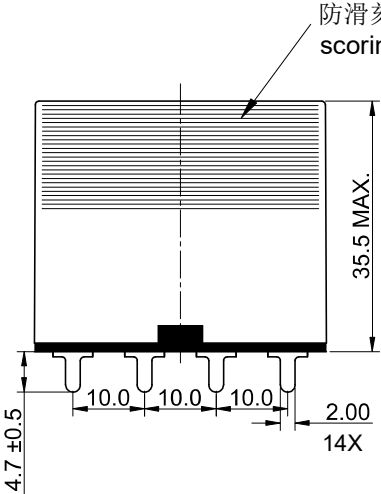
Rev.	SIGN	DATE	DESCRIPTION	APPROVER
B	—	11/12'24	The first release	PansLee
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				

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

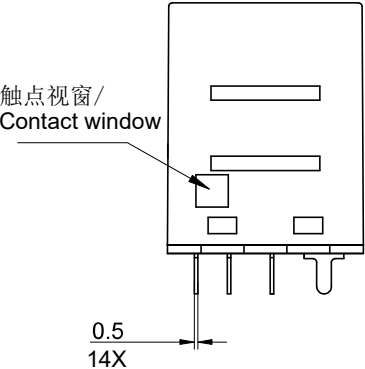


机械指示旗视窗/
Mechanical indication flag
window

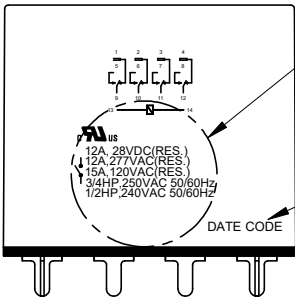
LED视窗 /
LED window



防滑刻痕/ Non-slip
scoring

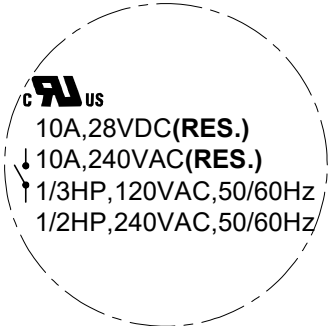


触点视窗/
Contact window

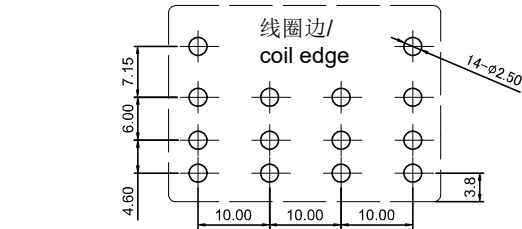


当负载为12A 印字图/
Print content of 12A load

批号 (年+周)
Lot number

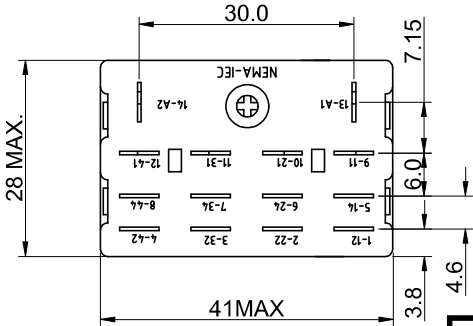


当负载为10A 印字图/
Print content of 10A load



RECOMMENDED PCB LAYOUT

PCB mounting hole size tolerance ± 0.05



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TITLE		AL-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY			
PART NO.		AL4CXXPCLXXXX00G		DWG NO.	
APPROVED		CHECKED	DESIGNED	DRAWN	CUST NO.
		PansLee 2024.11.12	PansLee 2024.11.12		
				SHEET: 01/02	
				REV.: B	
				Tolerance	
				0~1 ± 0.2	
				>1~5 ± 0.3	
				>5 ± 0.4	

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: AgSnO₂/AgNi
- 阻性负载/Resistive load : AL4C10:10A@28VDC,240VAC 50~60Hz
AL4C12:12A@28VDC,277VAC 50~60Hz
AL4C12:15A@120VAC 50~60Hz
- 马达负载/Motor load: AL4C10:1/3HP@120VAC 50~60Hz ; 1/2HP@240VAC 50~60Hz
AL4C12:3/4HP@250VAC 50~60Hz ; 1/2HP@240VAC 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 78g
- 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/Coil1 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	24	1.5~1.65 W	75% Maximum	10% Minimum	110% Maximum
D012	12 VDC	96				
D024	24 VDC	388				
D048	48 VDC	1550				
D110	110 VDC	7340				
A006	6 VAC	5.4	2.2~2.7 VA	80% Maximum	30% Minimum	110% Maximum
A012	12 VAC	21.2				
A024	24 VAC	84.5				
A048	48 VAC	340				
A110	110 VAC	1800				
A120	120 VAC	2220				
A220/230	220/230 VAC	8520				
A240	240 VAC	9120				

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 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: 12: 12A 10:10A
触点形式Contact Arrangement: 4C: 4PDT, 四组转换Four groups of conversion
产品型别Series Designation : AL Series

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TITLE		AL-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY					
PART NO.	AL4CXXPCLXXXX00G			DWG NO.	8AL4C-0006		
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.			Tolerance
		PansLee 2024.11.12	PansLee 2024.11.12		UNIT: mm		0~1 ±0.2
					SCALE: NONE		>1~5 ±0.3
					SHEET: 02/02 REV.: B		>5 ±0.4