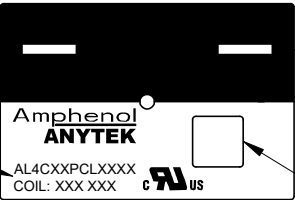


RoHS Compliant

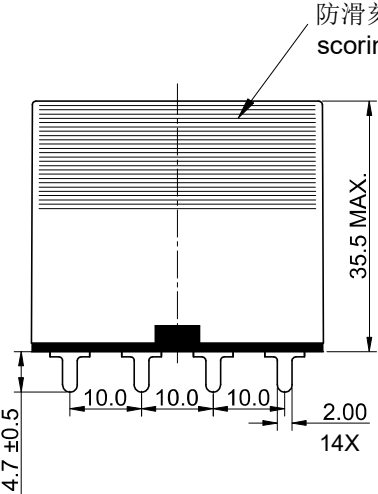
Rev.	SIGN	DATE	DESCRIPTION	APPROVER
B	—	11/12'24	The first release	PansLee
THIS IS CAD DRAWING, DO NOT REVISE MANUALLY!!!				

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

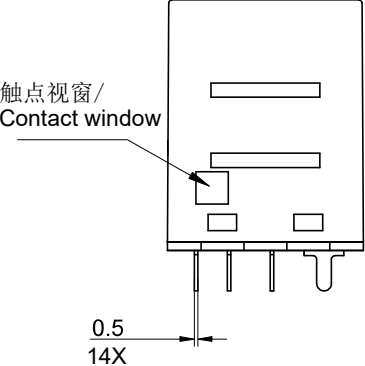


机械指示旗视窗/
Mechanical indication flag
window

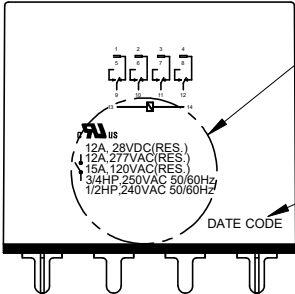
LED视窗 /
LED window



防滑刻痕/ Non-slip
scoring

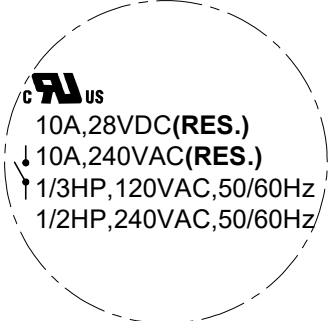


触点视窗/
Contact window

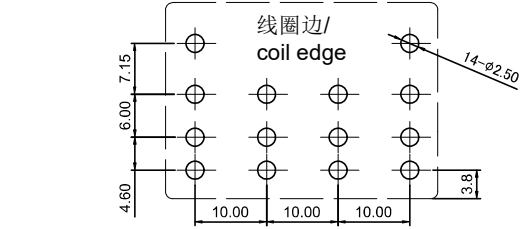


当负载为12A 印字图/
Print content of 12A load

批号 (年+周)
Lot number

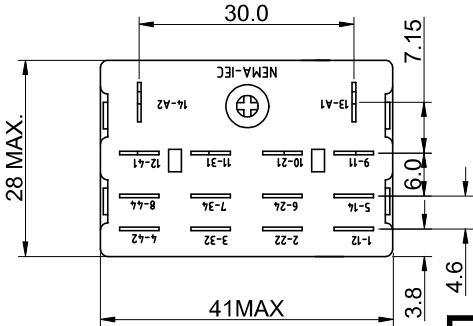


当负载为10A 印字图/
Print content of 10A load



RECOMMENDED PCB LAYOUT

PCB mounting hole size tolerance ± 0.05



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-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: 01/02		REV.: B	>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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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