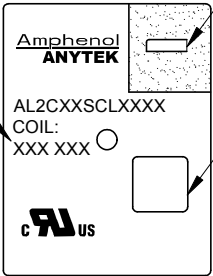


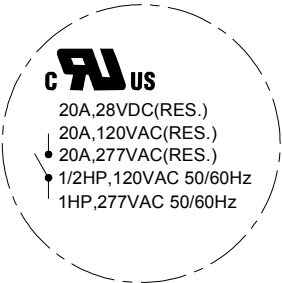
RoHS Compliant

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

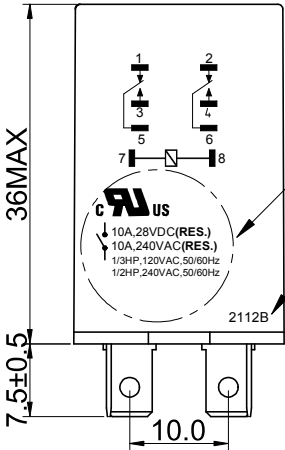


机械指示旗视窗/
Mechanical indication flag
window

LED视窗/
LED window

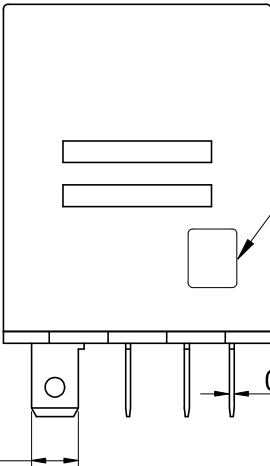
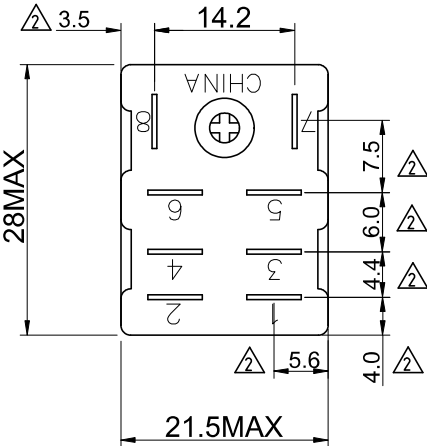


当负载为20A 印字图/
Print content of 20A load



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

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	Add the dimension 4.75±0.2	PansLee
	△	10/11'23	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		AL-DPDT /LED/INDICATOR FLAG INDUSTRIAL RELAY				
PART NO.		AL2CXXSCLXXXX00G		DWG NO.	8AL2C-0001	
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
					SHEET: 01/02	REV.: A1 X° ±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 resistance 155℃
- 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	1.2 VA	80% Maximum	30% Minimum	110% Maximum
A006	6 VAC	9.5				
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 S 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	C: 一般外壳 /Cover type C: plain cover
引出端形式	Terminal Type: S: 0.5x4.8 插入型 /plug-in terminal
触点额定负载 /Cotact rating:	20: 20A 10: 10A
触点形式 /Contact Form:	2C: DPDT, 两组转换 /Two groups switch
产品型别 /Series Designation:	AL Series

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TITLE		AL-DPDT/LED/INDICATOR FLAG INDUSTRIAL RELAY					
PART NO.		AL2CXXSCLXXXX00G		DWG NO.	8AL2C-0001		
APPROVED	CHECKED	DESIGNED	DRAWN	CUST NO.		Tolerance	
		PansLee 2023.10.11	PansLee 2023.10.11			UNIT: mm	X.X ±0.20
						SCALE: NONE	
				SHEET: 02/02		REV: A1	X.XXX ±0.005

Mouser Electronics

Authorized Distributor

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