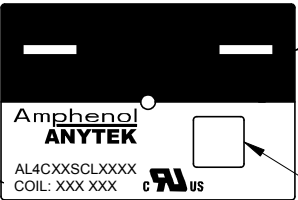


RoHS Compliant

Rev.	SIGN	DATE	DESCRIPTION	APPROVER
A0	—	03/21'22	The first release	PansLee
A1	△	10/11'23	Dim changed from 6.9 , 4.6 , 7.1to 6.9±0.5 , 4.75±0.2 , 7.5	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!!!

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



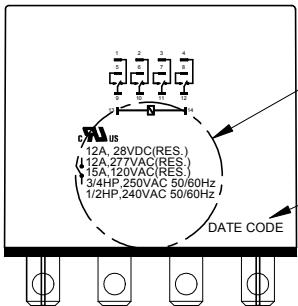
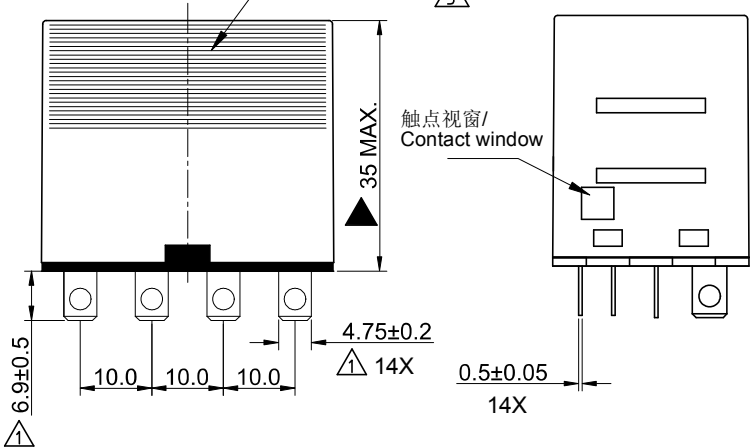
机械指示旗视窗/
Mechanical indication flag
window

LED视窗 /
LED window

防滑刻痕/ Non-slip
scoring

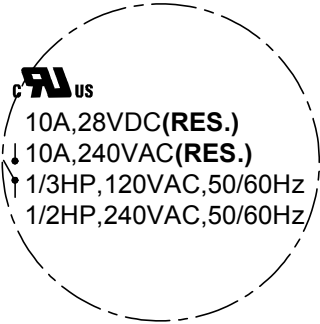


触点视窗/
Contact window

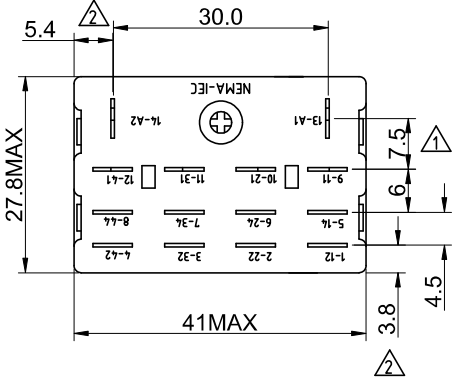


当负载为12A 印字图/
Print content of 20A load

批号 (年+周)
Lot number



当负载为10A 印字图/
Print content of 20A load



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TITLE		AL-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY				
PART NO.		AL4CXXSCLXXXX00G		DWG NO.	8AL4C-0005	
APPROVED		CHECKED	DESIGNED	DRAWN	CUST NO.	Tolerance
			PansLee 2023.10.11	PansLee 2023.10.11		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: 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,1/2HP@240VAC
AL4C12:3/4HP@250VAC,1/2HP@240VAC
- 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	2.2~2.7 VA	80% Maximum	30% Minimum	110% Maximum
A006	6 VAC	5.4				
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	240 VAC			
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 S C L XXXX 00G



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TITLE		AL-4PDT/LED/INDICATOR FLAG INDUSTRIAL RELAY					
PART NO.		AL4CXXSCLXXX00G		DWG NO.	8AL4C-0005		
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° ±1°

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[AL4C10SCLD02400G](#) [AL4C10SCLA22000G](#) [AL4C12SCLD02400G](#) [AL4C12SCLA22000G](#)