

YL224GH

特点 PRODUCT FEATURES

- 60A触点载流能力
- 触点间、线圈触点间介质耐压双4KV（大间隙产品）
- 绝缘等级F级
- 外形尺寸：32*26.9*20mm

典型应用 TYPICAL APPLICATIONS

- 新能源充电桩
- 光伏储能
- 热水器、地暖等



触点负载 CONTACT DATA

型号	Model	YL224GH
额定负载(阻性) Rated load		NO:50A 277VAC 接通15A,载流60A,断开15A 277VAC NC:40A 277VAC
最大切换电流 Max.Switching Current		50A
最大切换电压 Max.Switching Voltage		277VAC
最大切换功率 Max.Switching Power		13850VA

性能参数 GENERAL DATA

触点材料	Contact material	Silver Alloy	
接触电阻	Contact resistance	50mΩ Max.(24VDC 1A)	
吸合时间	Operate Time	15msec. Max.	
释放时间	Release time	10msec. Max.	
绝缘电阻	Insulation resistance	1000MΩ Min.(DC500V)	
介质耐压	Dielectric strength	触点与触点间 Between open contacts	2000VAC 1min(4000VAC 1min 大间隙产品)
		触点与线圈间 Between coil & contacts	4000VAC 1min
抗振动	Humidity	稳定性 Functional	10~55Hz，双振幅 1.5 mm
		强度 Destructive	10~55Hz，双振幅 1.5 mm
抗冲击	Shock Resistance	稳定性 Functional	10G Min.
		强度 Destructive	100G Min.
寿命	Life	机械寿命 Mechanical Life	10,000,000 次 (10,800次/小时)
		电气寿命 Electrical Life	10,000 次(阻性负载，1s 通 9s 断)
环境温度	Temperature Range	-40℃~+85℃	
湿度	Humidity	5%~85% RH	
引出端形式	Terminal Type	印刷线路板式 Printed circuit board type	
封装形式	Package Type	-40℃~+85℃	
重量	Weight	约32g	
安规认证	Safety Standard	CCC	

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线圈参数 (at 20°C) COIL DATE

额定电压 Nominal Voltage (VDC)	线圈阻值 Coil Resistance at 20°C ±10%(Ω)		最大吸合电压 Max. Operate Voltage (VDC)	最小释放电压 Min. Release Voltage (VDC)	最大过载电压 Max. Applicable Voltage (VDC)
	1.2W	2.25W			
5	27.7		3.75	0.5	6.5
6	40		4.5	0.6	7.8
9	67.5		6.75	0.9	11.8
12	160	64	9.0	1.2	15.6
24	640	256	18.0	2.4	31.2
48	2560		36.5	4.8	62.4

订货标记 ORDERING INFORMATION

YL224GH -A -12VDC -D -XX

产品型号
Type

YL224GH

触点转换形式
Contact Form

C:1FormC A:1FormA B:1FormB
C:1FormC A:1FormA B:1FormB

线圈电压
Coil Voltage

5V、6V、9V、12V、24V、48V
5V、6V、9V、12V、24V、48V

线圈功耗

Coil Power Consumption

无: 1.2W D: 2.25W(仅限大间隙产品)
Nil: 1.2W D: 2.25W(Only for large gap products)

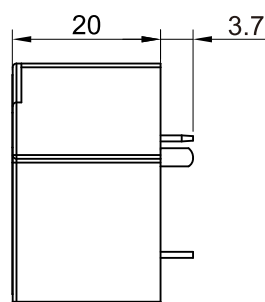
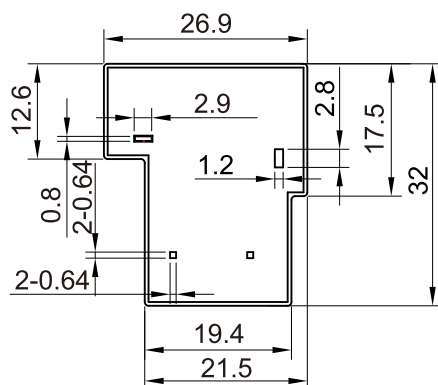
特殊参数或特殊要求, 客户识别号

Special parameters or special requirements, customer identification number

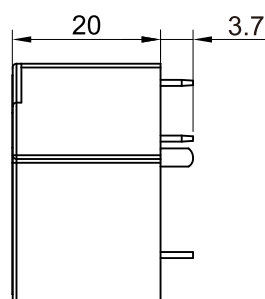
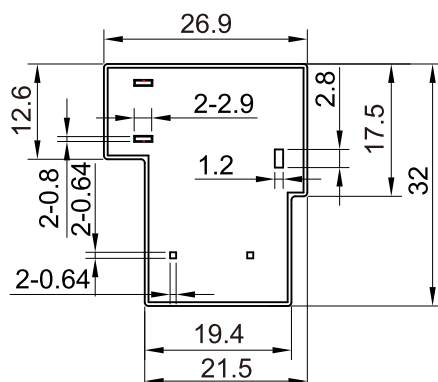
外形图、接线图、安装孔位图

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

1A型



1C型

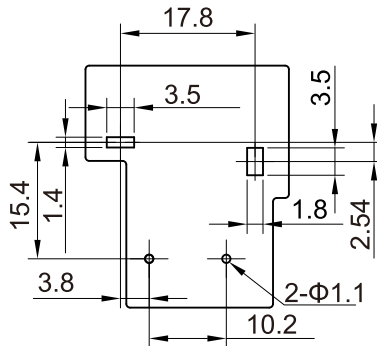


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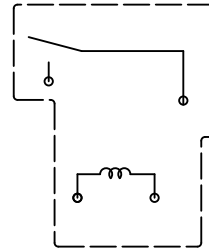
外形图、接线图、安装孔位图

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

1A型

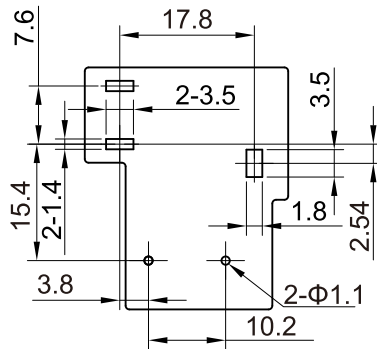


安装孔尺寸 (底视图)
Mounting hole size (bottom view)

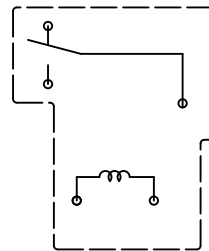


接线图 (底视图)
Wiring diagram (bottom view)

1C型



安装孔尺寸 (底视图)
Mounting hole size (bottom view)



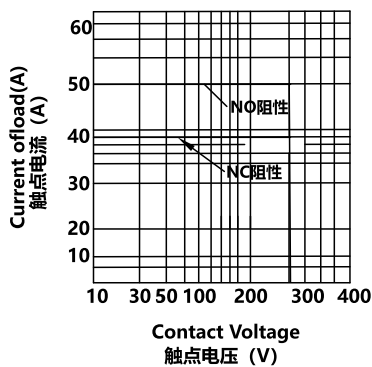
接线图 (底视图)
Wiring diagram (bottom view)

注: 外形图未注公差; 尺寸 $\leq 1\text{mm}$, 公差为: $\pm 0.2\text{mm}$
尺寸 $1\sim 5\text{mm}$, 公差为: $\pm 0.3\text{mm}$
尺寸 $> 5\text{mm}$, 公差为: $\pm 0.4\text{mm}$

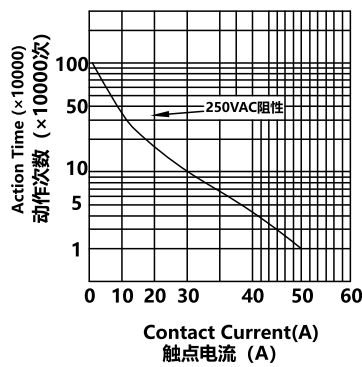
性能曲线图

CHARACTERISTIC CURVES

最大切换功率 Maximum Switching Power

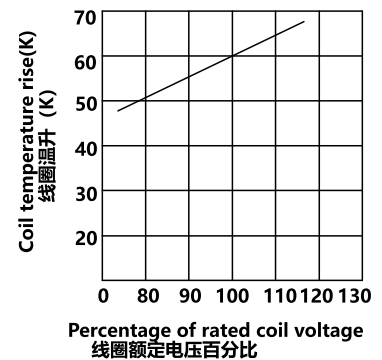


电气寿命 Electrically Life



测试条件: 阻性负载,
250VAC 1s通9s断。

线圈温升 Coil Temperature Rise



测试条件: 85°C, 5A
安装距离: 10mm