

YL221

特点 PRODUCT FEATURES

- 16A触点切换能力
- 一组常开、转换，二组常开、转换
- 塑封型和防尘罩型可供选择

典型应用 TYPICAL APPLICATIONS

- 工业控制
- 家用电器：空调，微波炉，音响等
- 仪器仪表



触点负载 CONTACT DATA

型号 Model	YL221		
额定负载(阻性) Rated load	12A 250VAC/30VDC	8A 250VAC/30VDC	17A 250VAC/30VDC
最大切换电流 Max.Switching Current	12A	8A	17A
最大切换电压 Max.Switching Voltage	250VAC 30VDC		
最大切换功率 Max.Switching Power	3000VA 360W	2000VA 240W	4250VA 510W

性能参数 GENERAL DATA

触点材料	Contact material	Silver Alloy		
接触电阻	Contact resistance	100mΩ Max.		
吸合时间	Operate Time	15msec. Max.		
释放时间	Release time	5msec. 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	1000VAC 50/60Hz 1min
		触点与线圈间	Between coil & contacts	5800VAC 50/60Hz 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	100,000 次(600次/小时)
环境温度	Temperature Range	-40℃~+105℃		
重量	Weight	约13g		
安规认证	Safety Standard			

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线圈参数 (at 20°C) COIL DATE

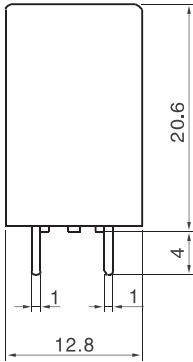
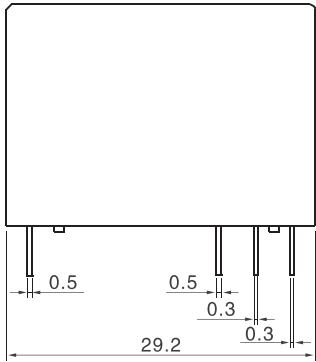
额定电压 Nominal Voltage (VDC)	线圈阻值 Coil Resistance at 20°C ±10%(Ω)		最大吸合电压 Max. Operate Voltage (VDC)	最小释放电压 Min. Release Voltage (VDC)	最大过载电压 Max. Applicable Voltage (VDC)
	0.72W	0.54W			
3	12.5	17	2.1	0.15	3.9
5	35	46	3.5	0.25	6.5
6	50	67	4.2	0.3	7.8
9	112.5	150	6.3	0.45	11.7
12	200	267	8.4	0.6	15.6
24	800	1067	16.8	1.2	31.2
48	3200	4267	33.6	2.4	62.4

订货标记 ORDERING INFORMATION

YL221 -C -S -12VDC -D -F -XX

产品系列 Product series	YL221
触点型式 Contact Type	A-一组常开, B-一组常闭, C-一组转换 (3.5mm安装间距) 2A-两组常开, 2B-两组常闭, 2C-两组转换 (5.0mm安装间距) A-NORMAL OPEN (SPST NO), B-NORMAL CLOSE (SPST NC), C-CHANGE (SPDT)(3.5MM install the distance) 2A-TWO SETS NORMAL OPEN (DPST NO), 2B-TWO SETS NORMAL CLOSE (DPST NC), 2C-TWO SETS OF CHANGE (DPDT) (5.0MM install the distance)
密封型式 Seal Type	S-塑封型 (全密封); 无-防助焊剂型 (不封气孔) S- seal type (full seal), F-Flux-proof type (without sealing vent)
线圈电压 Coil Voltage	3VDC/5VDC/6VDC/9VDC/12VDC/18VDC/24VDC/48VDC
线圈功耗 Coil Power	无-0.54W; D-0.72W NONE-0.54W; D-0.72W
绝缘等级 Insulation class	F-F级绝缘; 无-B级绝缘 F-F class, none - B class
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



未标注尺寸公差 / Undimensioned tolerance: <1mm:±0.2mm 1~5mm:±0.3mm >5mm:±0.4mm

注: 1、引出脚尺寸为预焊前尺寸 2、安装孔尺寸公差: ±0.1mm
Note: 1.The size of the lead foot is pre welding dimension. 2. installation hole size tolerance:±0.1mm

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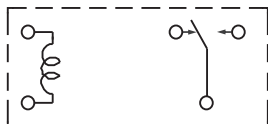
外形图、接线图、安装孔位图

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

1组-接线图 (底视图)
1P-Wiring diagram (bottom view)

1C

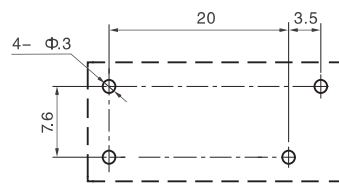
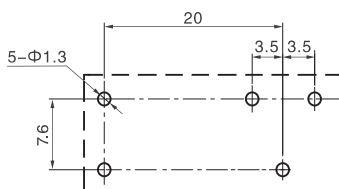
1A



1组-安装孔尺寸 (底视图)
1P-Mounting hole size (bottom view)

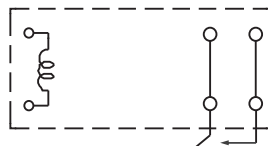
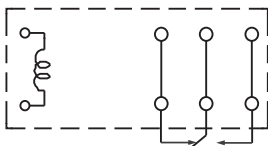
1C

1A



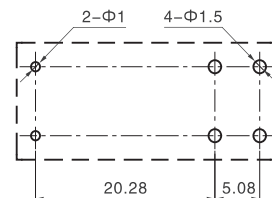
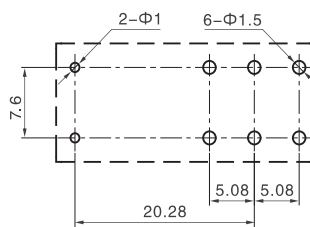
1C

1A



1C

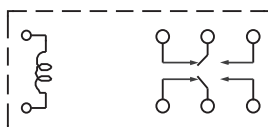
1A



2组-接线图 (底视图)
2P-Wiring diagram (bottom view)

2C

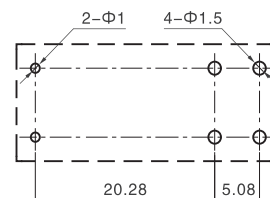
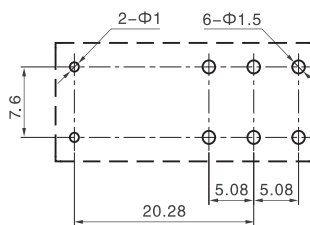
2A



2组-安装孔尺寸 (底视图)
2P-Mounting hole size (bottom view)

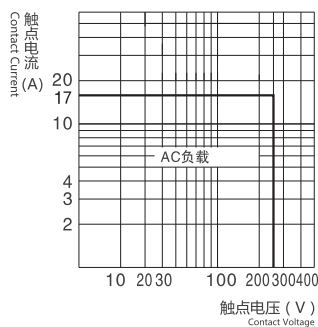
2C

2A

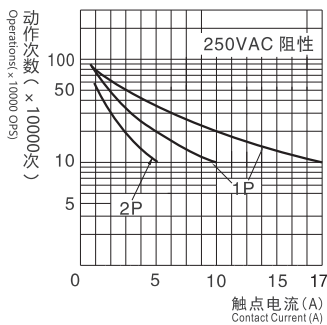


性能曲线图 CHARACTERISTIC CURVES

最大切换功率 (W)
Max. Switching Power



寿命曲线
Life Curve



线圈温升
Coil temperature rise

