

特点Characteristic

1、最大可达3A超小型继电器

Up to 3A Amps ultr-small relay

2、密集型结构

Standard printed board pins

3、标准型及高感度型

Plastic and flux-proof models are available

4、外形尺寸 (15.5×10.5×11.7) mm

Overall dimensions (15.5×10.5×11.7) mm



触点参数Contact load

型号Model	WL4100
触点形式Contact Arrangement	1C(SPDT(B-M))
最大切换电流Maximum switching current	3A
最大切换电压Maximum switching voltage	277VAC/30VDC
最大切换功率Maximum switching power	830VA/90W
触点负载 (阻性) Contact load (resistive)	3A, 277/250/125VAC 3A, 30VDC

性能参Performance parameter

触点材料Contact material	银合金 Ag alloy/镀金 Gold-plated	
接触电阻Contact resistance	Max 50MΩ	
动作时间Action time	≤5ms	
释放时间Release time	≤5ms	
绝缘电阻Insulation resistance	Min 100MΩ (500VDC)	
介质耐压 Dielectric Strength	断开触点间 Between contacts	AC 750VAC 50/60Hz 1min
	线圈与触点间 Between contact coils	AC 1000VAC 50/60Hz 1min
冲击 To attack	稳定性Stability	98m/s ²
	强度Strength	980m/s ²
振动Vibration	10~55Hz 双振幅1.5mm Double Amplitude	
机械寿命Mechanical endurance min	1×10 ⁷	
电气寿命Electrial eddurance min	1×10 ⁵	
相对湿度Humidity	5%~85%RH	
环境温度Ambient temperature	-40°C~85°C	
重量Weight	约Approx 4g	

订货示例 Ordering example

	WL4100	-S	-1	12	L	M	X
继电器型号 Type							
密封型式: F-防尘式, S-塑封式 Construction: F-Flux proofed, S-Plastic Sealed							
继电器触点组数: 1-1组触点 Number of Poles: 1-1 group							
线圈电压: 3, 5, 6, 9, 12, 18, 24VDC Coil Voltage: 3, 5, 6, 9, 12, 18, 24VDC							
线圈功率: 无-0.15W, L-0.2W Coil Power: Nil-0.15W, L-0.2W							
触点形式: M-常开, 无-转换, B-常闭 Contact Arrangement: M-N/O, Nil-C/O, B-N/C							
特规参数: 根据客户要求定制, 无-标准型 Special parameters: customized according to customer requirements, Nil-standard							

线圈参数 Coil parameters

(at 20°C)

型号规格 Coil Voltage		线圈电阻 Coil Resistance	动作电压 Pick-up Voltage 额定电压的70% 70% of rated voltage	释放电压 Drop-out Voltage 额定电压的10% 10% of rated voltage	功率 Coil Power
额定 Rated	最大 Max				
VDC		Ω±10%	VDC	VDC	W
3	3.3	60	2.25	0.3	0.15
5	5.5	166.7	3.75	0.5	
6	6.6	240	4.5	0.6	
9	9.9	540	6.75	0.9	
12	13.2	960	9	1.2	
18	19.8	2160	13.5	1.8	
24	26.5	3840	18	2.4	
3	3.3	45	2.25	0.3	0.2
5	5.5	120	3.75	0.5	
6	6.6	180	4.5	0.6	
9	9.9	405	6.75	0.9	
12	13.2	700	9	1.2	
18	19.8	1620	13.5	1.8	
24	26.5	2880	18	2.4	

安全认证负载 Safety certified load

认证类别 Certification category	CQC	TUV	UL
认证负载 Certified load	3A, 277/250/125VAC 3A, 30VDC	3A, 277/250/125VAC 3A, 30VDC	3A, 277/250/125VAC 3A, 30VDC

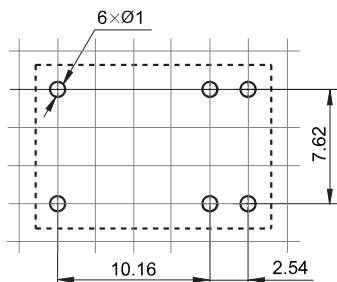
外形及安装图 Outline and installation drawing

Outline Dimensions
外形图

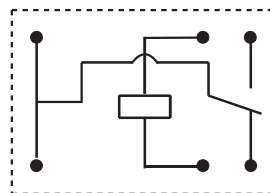


Undimensioned tolerance: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm
未标注尺寸公差: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm

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



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



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

性能曲线图 Performance chart

