

特点Characteristic

- 1、高达40A触点切换能力
Up to 40A contact switching capability
- 2、线圈与触点间介质耐压2.5KV
2.5KV dielectric strength (between coil and contacts)
- 2、塑封型与防焊剂型可供选择
Plastic sealed and flux proofed types
- 4、外形尺寸 (32.2×27.5×27.8) mm
Overall dimensions (32.2×27.5×27.8) mm



触点参数Contact parameters

型号Model	WL91	
触点形式Contact form	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))	
最大切换电流Maximum switching current	30A	40A
最大切换电压Maximum switching voltage	277VAC/30VDC	
最大切换功率Maximum switching power	8310VA/900W	11080VA/1200W
触点负载 (阻性) Contact load (resistive)	NO: 40A 277VAC,40A 30VDC, NC:40A 277VAC,40A 30VDC; NO/NC:30A/20A277VAC,30A/20A 30VDC;	

性能参数Performance parameter

触点材料Contact material	银合金 Ag Alloy	
接触电阻Contact resistance	Max 100MΩ	
动作时间Action time	≤15ms	
释放时间Release time	≤10ms	
绝缘电阻Insulation resistance	Min 1000MΩ (500VDC)	
介质耐压 Dielectric Strength	断开触点间 Between contacts	AC 1500VAC 50/60Hz 1min
	触点线圈间 Between contact coils	AC 2500VAC 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	DC:-55℃~85℃,AC:-55℃~60℃	
重量Weight	约Approx.36g	
浪涌电压Surge voltage	6KV	

订货示例Ordering example

继电器型号 Type	WL91	-S	-1	DC12	D	M	R	X
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: DC 3VDC~110VDC, AC 12VDC~277VAC Coil Voltage: DC 3VDC~110VDC, AC 12VDC~277VAC								
线圈功率: D-0.9W, H-1.2W, 无-2VA Coil Power: D-0.9W, H-1.2W, 无-2VA								
触点形式: M-常开, 无-转换, B-常闭 Contact Arrangement: M-N/O, Nil-C/O, B-N/C								
引出端: R代表有6号脚, 无代表没有6号脚 Lead end: R means have 6 foot, no means do not have 6 foot								
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

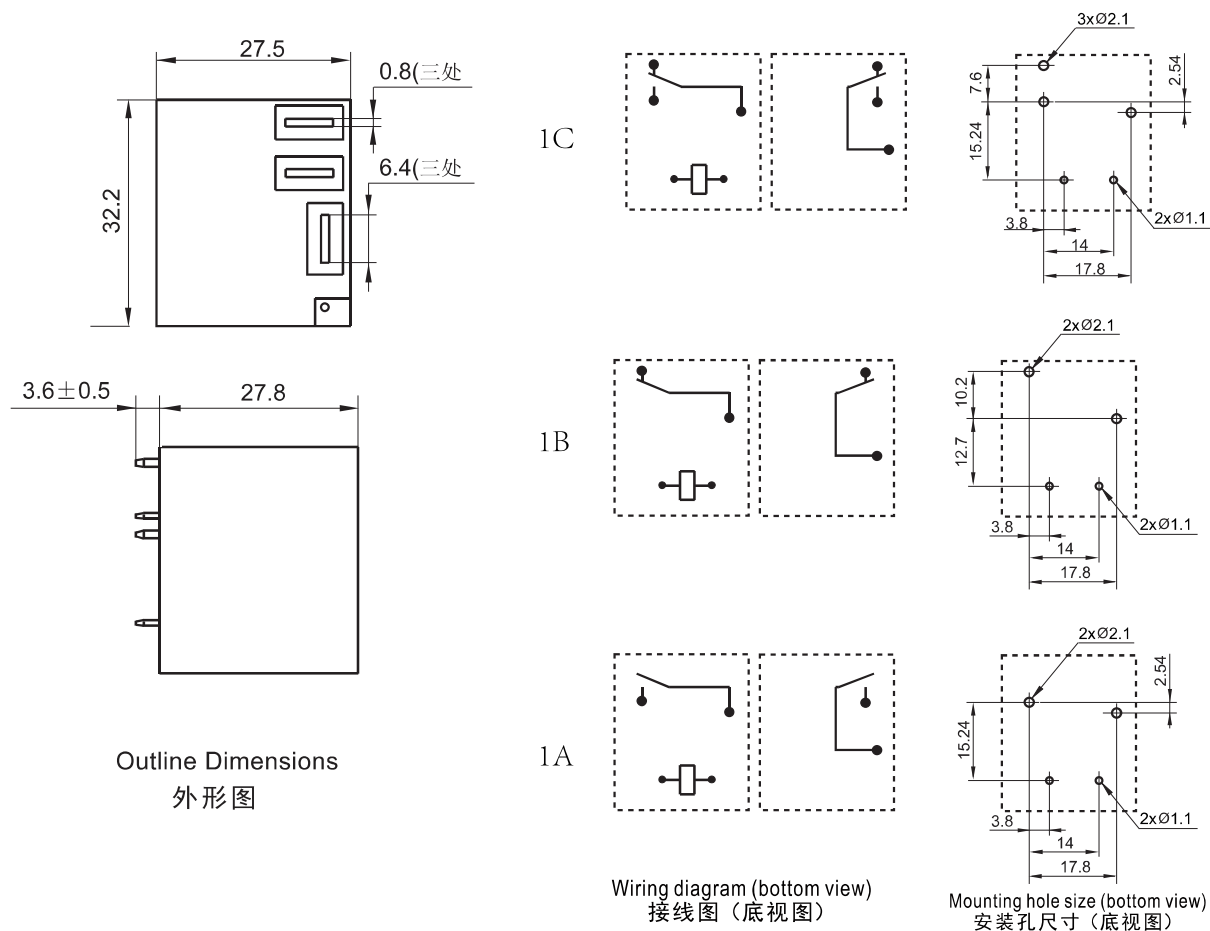
(at 20°C)

型号规格 Coil Voltage		线圈电阻 Coil Resistance	动作电压 Pick-up Voltage 额定电压的75% 75% 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		$\Omega \pm 10\%$	VDC	VDC	W
3	3.9	10	2.25	0.3	0.9
5	6.5	28	3.75	0.5	
6	7.8	40	4.5	0.6	
9	11.7	90	6.75	0.9	
12	15.6	160	9	1.2	
15	19.5	250	11.25	1.5	
18	23.4	360	13.5	1.8	
24	31.2	640	18	2.4	
36	32.2	1440	27	3.6	
48	62.4	2560	36	4.8	
110	143	13444	82.5	11	
5	6.5	18	3.75	0.5	1.4
6	7.8	26	4.5	0.6	
12	15.6	103	9	1.2	
24	31.2	411	18	2.4	
36	32.2	926	27	3.6	
48	62.4	1646	36	4.8	
AC12V	15.6	27	9	3.6(30%)	2VA
AC24V	31.2	120	18	7.2(30%)	
AC110V	143	2360	82.5	33(30%)	
AC120V	156	3040	90	36(30%)	
AC220V	286	13490	165	66(30%)	
AC240V	312	15740	180	72(30%)	
AC277V	360.1	20300	207.8	83.1(30%)	

安全认证负载Safety certified load

认证类别 Certification category	认证负载 Certified load
CQC	NO: 40A 277VAC,40A 30VDC, NC:40A 277VAC,40A 30VDC; NO/NC:30A/20A277VAC,30A/20A 30VDC;
TUV	NO: 40A 277VAC,40A 30VDC, NC:40A 277VAC,40A 30VDC; NO/NC:30A/20A277VAC,30A/20A 30VDC;
UL	NO: 40A 277VAC,40A 30VDC 30A 277VAC,40A 30VDC 2HP 250VAC/1HP 125VAC 96LRA 30FLA TV-8 125VAC 20A 277VAC NC: 40A 277VAC,40A 30VDC 30A 277VAC,40A 30VDC 20A/15A 277VAC 1/2HP 250VAC, 1/4HP 125VAC NO/NC:30A/20A277VAC,30A/20A 30VDC; 2HP 250VAC/1HP 125VAC, 1/2HP 250VAC, 1/4HP 125VAC TV-8 125VAC TV-3 120VAC

外形及安装图 Outline and installation drawing



性能曲线图 Performance chart

