

# WQE relay

## 特点Characteristic

- 1、高达16A触点切换能力  
16A contact switching capability
- 2、塑封型与防焊剂型可供选择  
Plastic sealed and flux proofed types
- 3、线圈与触点间介质耐压2.5KV  
2.5kV dielectris strength(between coil and contacts)
- 4、产品已经通过防爆认证  
Explosion proof certification
- 5、外形尺寸 (18.4×10.2×15.5) mm  
Overall dimensions (18.4×10.2×15.5) mm



## 触点参数Contact parameters

型号Model	WL32F
触点形式Contact form	1A(SPSTNO)、1B(SPSTNC)、1C(SPDT(B-M))
最大切换电流Maximum switching current	16A
最大切换电压Maximum switching voltage	277VAC/30VDC
最大切换功率Maximum switching power	4430VA/480W
触点负载 (阻性) Contact load (resistive)	NO:16A 277VAC/250VAC/ 30VDC NO:12A/10A /5A 277VAC/250VAC/ 30VDC; NO:5A NC:3A 277VAC/250VAC/30VDC NO:TV-10/TV-8, 125/250VAC

## 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	≤10ms	
释放时间Release time	≤10ms	
绝缘电阻Insulation resistance	Min 100MΩ (500VDC)	
介质耐压 Dielectric Strength	触点间 Between contacts	AC 1000VAC 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 <sup>2</sup>
	强度Strength	980m/s <sup>2</sup>
振动Vibration	10~55Hz 双振幅1.5mm Double Amplitude	
机械寿命Mechanical endurance min	1×10 <sup>7</sup>	
电气寿命Electrial edurance min	1×10 <sup>5</sup>	
相对湿度Humidity	5%~85%RH	
环境温度Ambient temperature	-40°C~105°C	
重量Weight	约Approx.6.0g	

**订货示例 Ordering example**

	WL32F	-S	-1	12	H	M	1	P	X
<b>继电器型号</b>									
<b>Type</b>									
密封型式: F-防尘式, S-塑封式									
Construction: F-Flux proofed ,S-Plastic Sealed									
<b>继电器触点组数: 1-1组触点. 2-2组触点</b>									
Number of Poles: 1-1 group group 2-2 group									
线圈电压: 5, 6, 9, 12, 24, 48VDC									
Coil Voltage: 5, 6, 9, 12, 24, 48VDC									
线圈功率: 无-0.2W, H-0.45W (3-36V) 0.5W (48V)									
Coil Power: , Nil-0.2W, H-0.45W (3-36V) 0.5W (48V)									
触点形式: M-常开, 无-转换, B-常闭									
Contact Arrangement: M-N/O , Nil-C/O , B-N/C									
<b>负载能力: 空白-5A, 1-10A, 2-16A</b>									
Load capacity: Nil-5A, 1-10A, 2-16A									
触点规格: 无-3.0, P-3.2									
Contact specification: Nil-3.0, P-3.2									
特规参数: 根据客户要求定制									
Special parameters: customized according to customer requirements									

**线圈参数 Coil parameters**

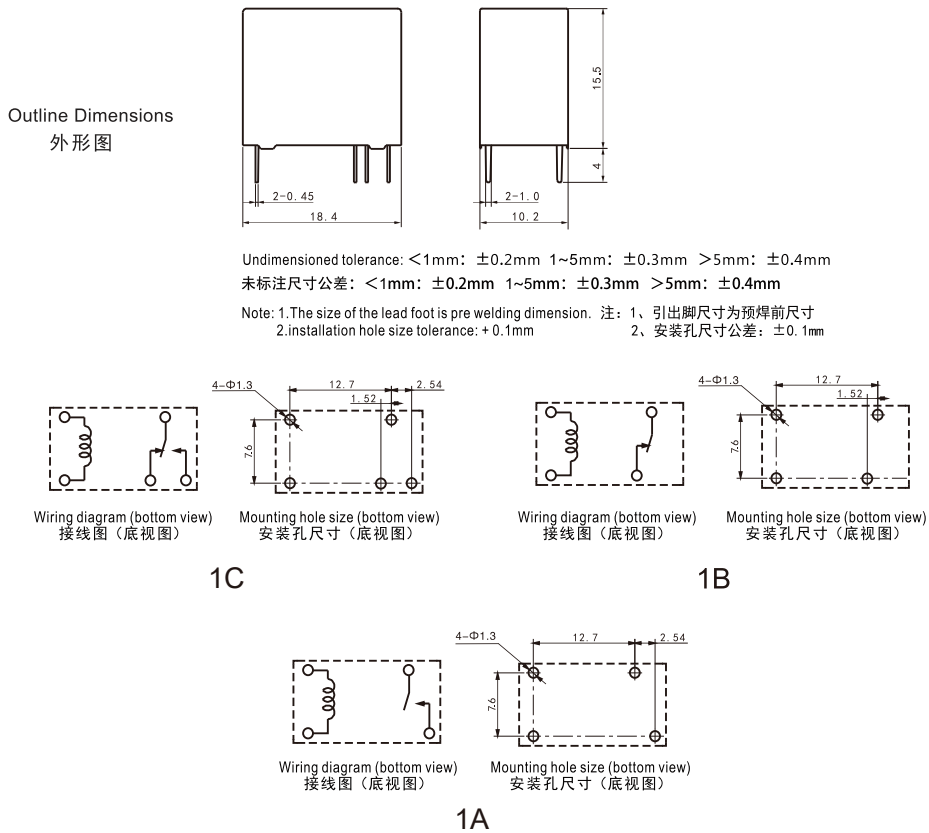
(at 20°C)

型号规格 Coil Voltage		线圈电阻 Coil Resistance	动作电压 Pick-up Voltage	释放电压 Drop-out Voltage	功率 Coil Power
额定 Rated	最大 Max		额定电压的75% 75% of rated voltage	额定电压的10% 10% of rated voltage	
VDC		$\Omega \pm 10\%$	VDC	VDC	W
5	6.5	125	3.75	0.5	0.2
6	7.8	180	4.5	0.6	
9	11.7	405	6.75	0.9	
12	15.6	720	9	1.2	
18	23.4	1620	13.5	1.8	
24	31.2	2880	18	2.4	
5	6.5	55	3.75	0.5	0.45
6	7.8	80	4.5	0.6	
9	11.7	180	6.75	0.9	
12	15.6	320	9	1.2	
18	23.4	720	13.5	1.8	
24	31.2	1280	18	2.4	

安规认证 Safetu standard

认证类别 Certification category	CQC	TUV	UL
认证负载 Certified load	NO:16A 277VAC/250VAC/ 30VDC  NO:12A/10A /5A 277VAC/250VAC/ 30VDC;  NO:5A NC:3A 277VAC/250VAC/30VDC	NO:16A 277VAC/250VAC/ 30VDC  NO:12A/10A /5A 277VAC/250VAC/ 30VDC;  NO:5A NC:3A 277VAC/250VAC/30VDC	NO:16/12A, 277/250 VAC NO:12/10/8/5A, 277/250 VAC/30VDC NO:TV-10/TV-8, 125/250VAC NO:1000W, 120VAC30,000 NO:1/2hp, 125VAC NO:1hp, 250VAC NC:3A 277VAC/250VAC 30VDC

外形及安装图 Outline and installation drawing



性能曲线图 Performance chart

