

## 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)<br>Contact load (resistive) | NO:16A 277VAC/250VAC/ 30VDC<br>NO:12A/10A /5A 277VAC/250VAC/ 30VDC;<br>NO:5A NC:3A 277VAC/250VAC/30VDC<br>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<br>Dielectric Strength  | 触点间<br>Between contacts           | AC 1000VAC 50/60Hz 1min |
|                              | 触点线圈间<br>Between contact coils    | AC 2500VAC 50/60Hz 1min |
| 冲击<br>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 | 3 | Q | X |
| 继电器型号<br>Type  |       |    |    |    |   |   |   |   |   |
| 密封型式: F-防尘式, S-塑封式<br>Construction: F-Flux proofed, S-Plastic Sealed                                     |       |    |    |    |   |   |   |   |   |
| 继电器触点组数: 1-1组触点. 2-2组触点<br>Number of Poles: 1-1 group group 2-2 group                                    |       |    |    |    |   |   |   |   |   |
| 线圈电压: 5, 6, 9, 12, 24VDC<br>Coil Voltage: 5, 6, 9, 12, 24VDC   |       |    |    |    |   |   |   |   |   |
| 线圈功率: 无-0.2W, H-0.45W<br>Coil Power: , Nil-0.2W, H-0.45W   |       |    |    |    |   |   |   |   |   |
| 触点形式: M-常开, 无-转换, B-常闭<br>Contact Arrangement: M-N/O, Nil-C/O, B-N/C                                     |       |    |    |    |   |   |   |   |   |
| 负载能力: 空白 - 5A; 1 - 8A; 2 - 10A; 3 - 16A<br>Load capacity: Nil - 5A; 1 - 8A; 2 - 10A; 3 - 16A             |       |    |    |    |   |   |   |   |   |
| 触点规格: P-3.0; Q- 3.2<br>Contact specification: P-3.0; Q- 3.2  |       |    |    |    |   |   |   |   |   |
| 特规参数: 根据客户要求定制, 无-标准型<br>Special parameters: customized according to customer requirements, Nil-standard |       |    |    |    |   |   |   |   |   |

**线圈参数 Coil parameters**

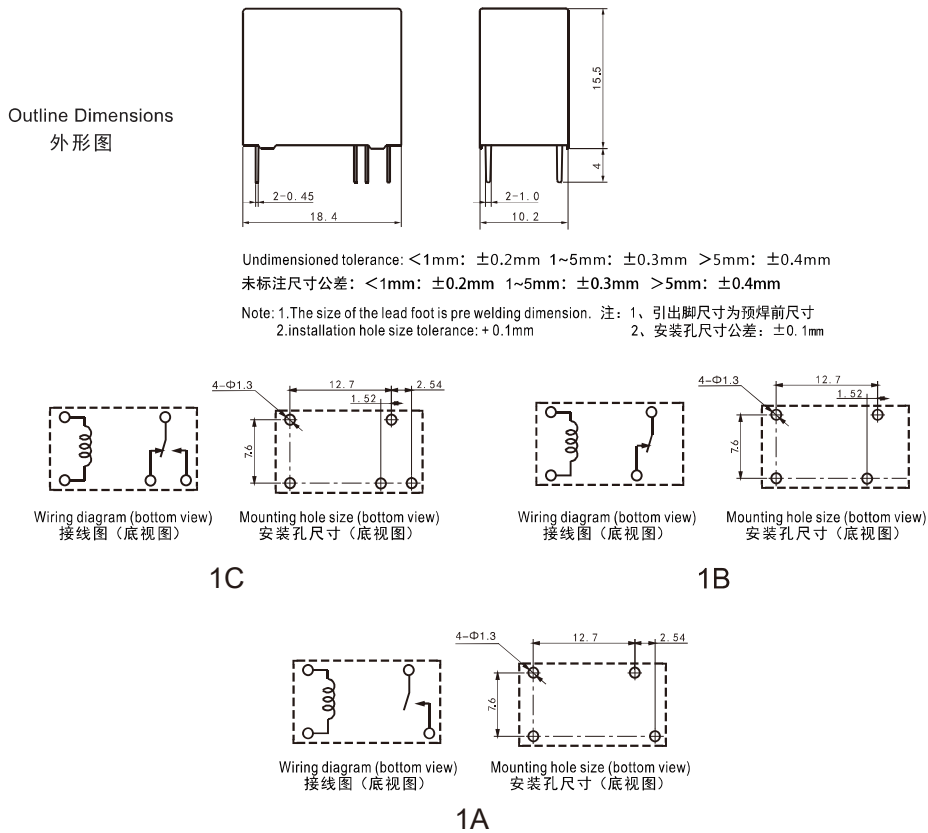
(at 20°C)

| 型号规格<br>Coil Voltage |           | 线圈电阻<br>Coil Resistance | 动作电压<br>Pick-up Voltage          | 释放电压<br>Drop-out Voltage         | 功率<br>Coil Power |
|----------------------|-----------|-------------------------|----------------------------------|----------------------------------|------------------|
| 额定<br>Rated          | 最大<br>Max |                         | 额定电压的75%<br>75% of rated voltage | 额定电压的10%<br>10% of rated voltage |                  |
| VDC                  |           | Ω±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<br>Certification category | CQC   | TUV   | UL  |
|--------------------------------|---|---|---|
| 认证负载<br>Certified load         | NO:16A 277VAC/250VAC/<br>30VDC<br><br>NO:12A/10A /5A<br>277VAC/250VAC/ 30VDC;<br><br>NO:5A NC:3A<br>277VAC/250VAC/30VDC | NO:16A 277VAC/250VAC/<br>30VDC<br><br>NO:12A/10A /5A<br>277VAC/250VAC/ 30VDC;<br><br>NO:5A NC:3A<br>277VAC/250VAC/30VDC | NO:16/12A, 277/250 VAC<br>NO:12/10/8/5A,<br>277/250 VAC/30VDC<br>NO:TV-10/TV-8, 125/250VAC<br>NO:1000W, 120VAC30,000<br>NO:1/2hp, 125VAC<br>NO:1hp, 250VAC<br>NC:3A 277VAC/250VAC 30VDC |

外形及安装图 Outline and installation drawing



性能曲线图 Performance chart

