

WQE relay

特点Characteristic

- 1、高达20A触点切换能力
Up to 20A contact switching capability
- 2、具有一组常开、一组常闭、一组转换和两组常开触点形式
1 Form A,1 FormB,1 Form C and 2 Form A configurations
- 3、体积小、防冲击
Small volume and anti-shock
- 4、外形尺寸 (15.5×12.1×13.8) mm
Overall dimensions (15.5×12.1×13.8) mm



触点参数Contact load

| 型号Model | WL78 | | |
|---------------------------------------|--|-------------|-------------|
| 触点形式Contact form | NO/NC | NO | NC |
| 最大切换电流Maximum switching current | 20A | 20A | 5A |
| 最大切换电压Maximum switching voltage | 30VDC 277VAC | | |
| 最大切换功率Maximum switching power | 1875VA/280W | 1875VA/280W | 1385VA/150W |
| 触点负载 (阻性) Contact load (resistive) | NO 5A 277VAC NC5A 125VAC、 NO 10A 125VAC NC 5A 125VAC、 NO 20A 14VDC NC5A 30VDC、 NO 10A 30VDC NC5A 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 | ≤10ms | |
| 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 550VAC 50/60Hz 1min |
| | 线圈与触点间 Between contact coils | AC 550VAC 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 edurance min | 1*10 ⁵ | |
| 相对湿度Humidity | 5%~85%RH | |
| 环境温度Ambient temperature | -40°C~105°C | |
| 重量Weight | 约Approx.6g | |

订货示例Ordering example

| | | | | | | | |
|--|-------|----|----|----|---|---|---|
| | WL73B | -S | -1 | 12 | D | 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, 24, 48VDC Coil Voltage: 3, 5, 6, 9, 12, 24, 48VDC | | | | | | | |
| 线圈功率: D-0.36W, 无-0.6W, H-0.8W Coil Power: D-0.36W, 无-0.6W, H-0.8W | | | | | | | |
| 触点形式: M-常开, 无-转换, B-常闭, U-双常开 Contact Arrangement: M-N/O ,Nil-C/O ,B-N/C, U-2N/O | | | | | | | |
| 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)

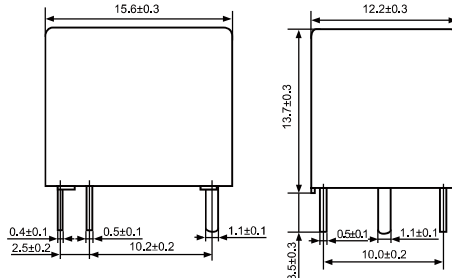
| 型号规格 Coil Voltage | | 线圈电阻 Coil Resistance | 动作电压 Pick-up Voltage 额定电压的80% 80% of rated voltage | 释放电压 Drop-out Voltage 额定电压的5% 5% of rated voltage | 功率 Coil Power |
|----------------------|-----------|-------------------------|---|--|------------------|
| 额定 Rated | 最大 Max | | | | |
| VDC | | Ω±10% | VDC | VDC | W |
| 9 | 9.9 | 225 | 7.2 | 0.45 | 0.36 |
| 12 | 13.2 | 400 | 9.6 | 0.6 | |
| 24 | 26.4 | 1600 | 19.2 | 1.2 | |
| 6 | 6.6 | 60 | 4.8 | 0.3 | 0.6 |
| 9 | 9.9 | 135 | 7.2 | 0.45 | |
| 12 | 13.2 | 240 | 9.6 | 0.6 | |
| 24 | 26.4 | 960 | 19.2 | 1.2 | |
| 12 | 13.2 | 180 | 9.6 | 0.6 | 0.8 |
| 48 | 52.8 | 2880 | 38.4 | 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 | NO 5A 277VAC NC5A 125VAC NO 10A 125VAC NC 5A 125VAC NO 20A 14VDC NC5A 30VDC、 NO 10A 30VDC NC5A 30VDC; | NO 5A 277VAC NC5A 125VAC NO 10A 125VAC NC 5A 125VAC NO 20A 14VDC NC5A 30VDC、 NO 10A 30VDC NC5A 30VDC; | NO 5A 277VAC NC5A 125VAC NO 10A 125VAC NC 5A 125VAC NO 20A 14VDC NC5A 30VDC、 NO 10A 30VDC NC5A 30VDC; |

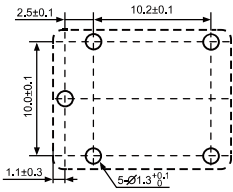
外形及安装图 Outline and installation drawing

Outline Dimensions
外形图



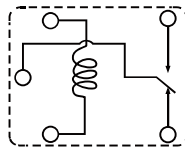
Undimensioned tolerance: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm
 未标注尺寸公差: <1mm: ±0.2mm 1~5mm: ±0.3mm >5mm: ±0.4mm

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

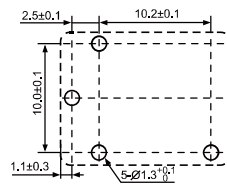


Mounting hole size (bottom view)
安装孔尺寸 (底视图)

1C

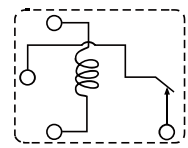


Wiring diagram (bottom view)
接线图 (底视图)

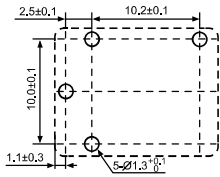


Mounting hole size (bottom view)
安装孔尺寸 (底视图)

1B

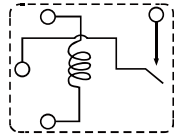


Wiring diagram (bottom view)
接线图 (底视图)

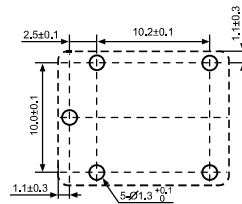


Mounting hole size (bottom view)
安装孔尺寸 (底视图)

1A

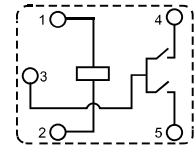


Wiring diagram (bottom view)
接线图 (底视图)



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

1U



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

性能曲线图 Performance chart

