

Automotive Relay Series汽车继电器系列-- QY313

FEATURES特点

- Up to 30A contact switching capability  
高达30A触点切换能力
- 1 Form A and configurations  
具有一组常开触点形式
- Standard type and Sealed type available  
标准型和密封型可供选择
- Overall dimensions(22.5x15.0x16.1)mm  
外形尺寸(22.5x15.0x16.1)mm



CONTACT PARAMETERS触点参数

|                                   |           |
|-----------------------------------|-----------|
| Model Series型号系列                  | QY313     |
| Rating Load (Resistive) 额定负载 (阻性) | 25A 14VDC |
| Max. Switching Current最大切换电流      | 30A       |
| Max.Switching Voltage最大切换电压       | 14VDC     |
| Max.Switching Power最大切换功率         | 420W      |

CHARACTERISTICS性能参数

|                                 |                                                      |                                  |  |
|---------------------------------|------------------------------------------------------|----------------------------------|--|
| Contact Materials触点材料           | Ag Alloy银合金                                          |                                  |  |
| Contact Resistance接触电阻          | 30mΩ Max.                                            |                                  |  |
| Operate Time吸合时间                | 10msec.Max.                                          |                                  |  |
| Release Time释放时间                | 10msec.Max.                                          |                                  |  |
| Insulation Resistance绝缘电阻       | 500MΩ Min.(DC500V)                                   |                                  |  |
| Initial Dielectric Strength介质耐压 | Between open contacts:<br>触点与触点间:                    | AC500V,50/60Hz 1Min.             |  |
|                                 | Between contacts and coil:<br>触点与线圈间:                | AC500V,50/60Hz 1Min.             |  |
| Vibration Resistance抗振动         | Damage limits:<br>耐久:                                | 10~55Hz Double Amplitude双振幅1.5mm |  |
|                                 | Malfunction:<br>误动作:                                 | 10~55Hz Double Amplitude双振幅1.5mm |  |
| Shock Resistance抗冲击             | Damage limits:<br>耐久:                                | 100G Min.                        |  |
|                                 | Malfunction:<br>误动作:                                 | 10G Min.                         |  |
| Life寿命                          | Mechanical Life (10800 per hour)<br>机械寿命 (每小时10800次) | 1×10 <sup>7</sup>                |  |
|                                 | Electrical Life (900 per hour)<br>电气寿命 (每小时900次)     | 1×10 <sup>5</sup>                |  |
| Ambient Temperature环境温度         | -40℃~+125℃ (No condensation) (不冷凝)                   |                                  |  |
| Unit Weight单位重量                 | 约Approx18.1g                                         |                                  |  |

COIL RATINGS (at20°C) 线圈参数 (在20°C)

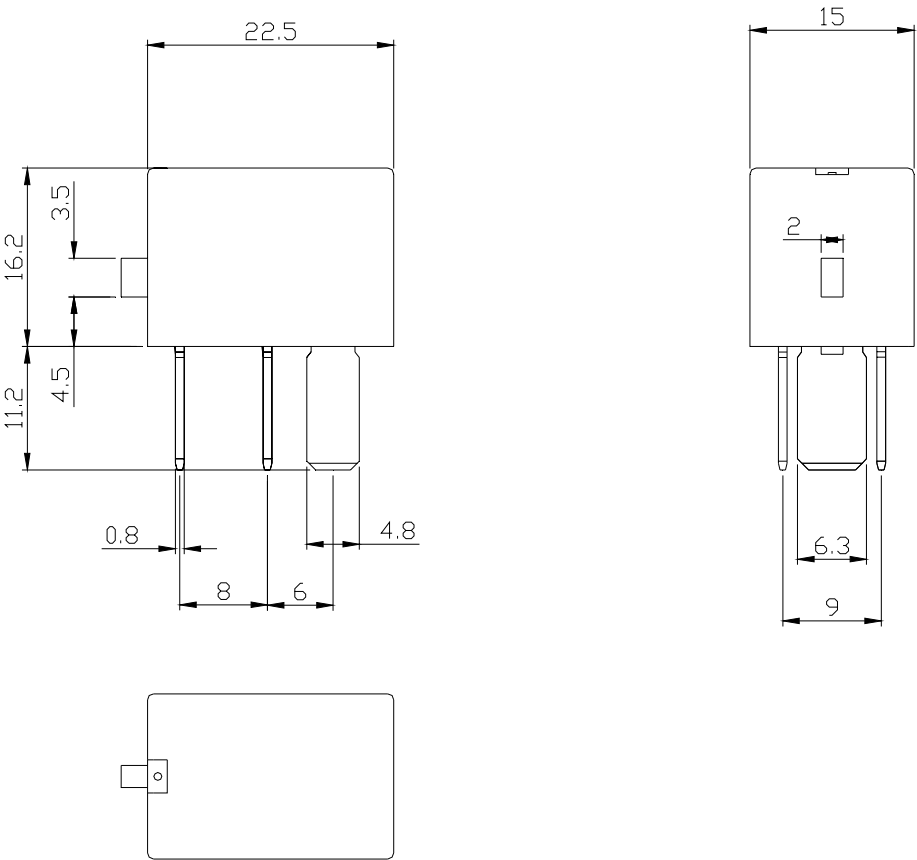
| 额定电压<br>Rated<br>voltage<br>(VDC) | 额定电流<br>Rated<br>current<br>± 10% (mA) | 线圈电阻<br>Coil<br>resistance<br>± 10% (Ω) | 等效功率<br>Rated<br>coil power<br>(W) | 吸合电压<br>Operate<br>voltage<br>(Max.) | 释放电压<br>Release<br>voltage<br>(Min.) | 最大连续外加电压<br>Allowable<br>voltage<br>(Max.) |
|-----------------------------------|----------------------------------------|-----------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------------|
| 12                                | 100                                    | 120                                     | 1.2W                               | 额定电压的<br>60 %                        | 额定电压的<br>10 %                        | 额定电压的<br>150 %                             |
| 24                                | 50                                     | 480                                     |                                    |                                      |                                      |                                            |

ORDERING INFORMATION 订货标记

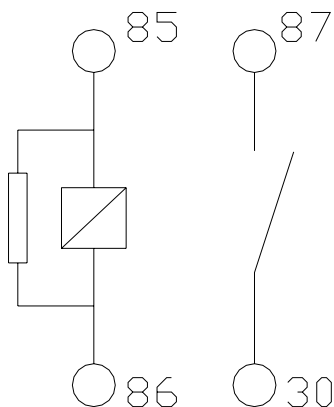
| QY313-012DC-H-S-P-XXX                                          |   |   |                                                                                |   |   |
|----------------------------------------------------------------|---|---|--------------------------------------------------------------------------------|---|---|
| 1                                                              | 2 | 3 | 4                                                                              | 5 | 6 |
| 1.Model Number基本型号: QY313                                      |   |   | 4.Enclosure: S-General Type,K-Sealed Type<br>封装形式: S-标准型, K-密封型                |   |   |
| 2.Coil Voltage线圈规格 (VDC):<br>12,24                             |   |   | 5.Coil Power:Nil -1.2W<br>线圈功率:无-1.2W                                          |   |   |
| 3.Contact Form: H-1 Form A, Z-1 Form C<br>触点形式: H-1组常开, Z-1组转换 |   |   | 6.Features:XXX- Special Requirements No - Standard Type<br>特性号:XXX-特殊要求, 无-标准型 |   |   |

OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 (单位: mm)

外形尺寸  
Outline Dimensions



接线图(底视图)  
Wiring Diagram(Bottom View)



#### TYPICAL USE 典型用途

- Heater, Fan control, Oil mercury control, Wiper control, Headlight control.
- Automobile air conditioning, Electromagnet control, Lighting system, Linkage device, Office automation equipment, Etc
- 加热器, 风扇控制, 油汞控制, 雨刷控制, 前灯控制。
- 汽车空调, 电磁铁控制, 照明系统, 联动装置, 办公室自动化设备等。