

## QY699A-200A磁保持继电器/Magnetic Latching Relay



### ◆ 特点 Characteristic

- > 200A 触点切换能力；
- > 线圈功耗小、温升极低；
- > 触点接触电阻小，电接触稳定性好；
- > 抗冲击、抗振动能力强；
- > 外形尺寸：107.5X97.0X29.5mm；
- > 200A switching capability.
- > Low coil consumption, ultra-low temperature rise.
- > Low contact resistance.
- > Strong anti-shock and anti-vibration capability.
- > Outline size: 107.5X97.0X29.5mm.

### ◆ 订货标记 Ordering Information

QY699A-200A / 012 / 2L / 2Z / (XXX)

1 2 3 4 5 6

- 1.基本型号 Part Number: QY699A
- 2.触点容量 Contact Rating: 200A
- 3.线圈电压 Coil Voltage: 09,12,24,48
- 4.线圈形式 Coil Type: 1L-单线圈 Single Coil , 2L-双线圈 Double Coil
- 5.触点形式 Contact Form: 2H- 2 Form A , 2D-2 Form B
6. 特性号 Special code: 无Nil-标准型 Standard , XXX-客户特殊要求 Customized Requirements

### ◆ 触点参数 Contact Data

|                             |                   |
|-----------------------------|-------------------|
| 触点形式 Contact form           | 2H,2D             |
| 触点材料 Contact material       | AgSnO2            |
| 接触电阻 Contact resistance     | Max.:1.0 mΩ       |
| 触点负载 Contact Rating         | 200A 250VAC       |
| 最大转换功率 Max. Switching Power | 50000VA           |
| 机械寿命 Mechanical life        | 5×10 <sup>5</sup> |
| 电气寿命 Electrical life        | 5×10 <sup>3</sup> |

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### ◆ 性能 Characteristics

|                                |                                   |                             |
|--------------------------------|-----------------------------------|-----------------------------|
| 绝缘电阻 Insulation resistance     |                                   | 1000M $\Omega$ (500VDC)     |
| 介质耐压<br>Dielectric<br>Strength | 触点与线圈间<br>Between Coil & Contacts | 4000VAC 1min                |
|                                | 断开触点间<br>Between Open Contacts    | 2000VAC 1 min               |
| 闭合时间 Operate Time              |                                   | 50msec. Max.                |
| 断开时间 Release Time              |                                   | 50msec. Max.                |
| 抗冲击<br>Shock<br>resistance     | 稳定性 Functional                    | 100m/S <sup>2</sup> (10g)   |
|                                | 强度 Destructive                    | 1000m/S <sup>2</sup> (100g) |
| 振动 Vibration resistance        |                                   | 10~55Hz 1.5mm               |
| 湿度 Humidity                    |                                   | 98%RH ,40°C                 |
| 温度范围 Ambient temperature       |                                   | -40~+70°C                   |
| 引出端方式 Termination              |                                   | 快连接式 Fast connection        |
| 重量 Unit weight                 |                                   | 500g                        |
| 封装形式 Constrution               |                                   | 防尘罩 Dust protected          |

### ◆ 线圈 Coil

|                 |                                                                |
|-----------------|----------------------------------------------------------------|
| 线圈功耗 Coil power | 单线圈 :12.0W 双线圈 : 24.0W<br>Single coil:12.0W Double coil: 24.0W |
|-----------------|----------------------------------------------------------------|

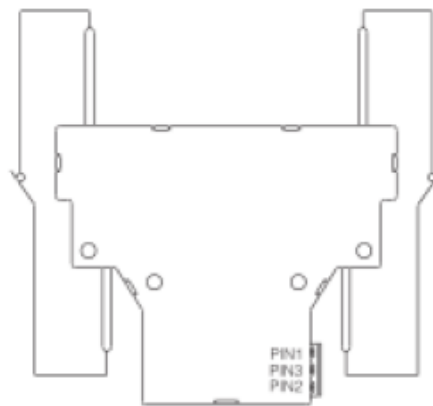
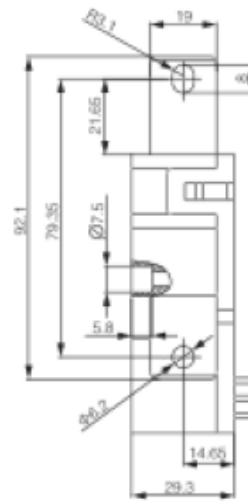
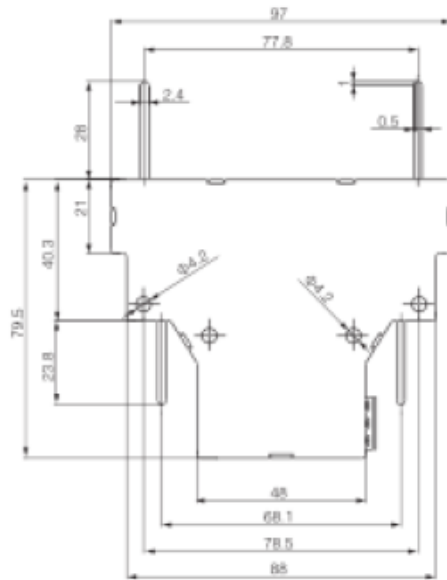
### ◆ 线圈参数 Coil Data

| 额定电压(VDC)<br>Rated Voltage | 置位/复位电压(VDC)<br>Pick-up voltage | 脉冲宽度(ms)<br>Pulse Duration | 单线圈电阻( $\Omega$ )<br>Single Coil Resistance | 双线圈电阻( $\Omega$ )<br>Double Coil Resistance |
|----------------------------|---------------------------------|----------------------------|---------------------------------------------|---------------------------------------------|
| 9                          | $\leq 6.75$                     | $\geq 150$                 | $6.8 \pm 10\%$                              | $2 \times 3.4 \pm 10\%$                     |
| 12                         | $\leq 9$                        | $\geq 150$                 | $12 \pm 10\%$                               | $2 \times 6 \pm 10\%$                       |
| 24                         | $\leq 18$                       | $\geq 150$                 | $48 \pm 10\%$                               | $2 \times 24 \pm 10\%$                      |
| 48                         | $\leq 36$                       | $\geq 150$                 | $192 \pm 10\%$                              | $2 \times 96 \pm 10\%$                      |

备注:如需其他额定电压,可特殊定货。  
Note:Special ordering for other coil voltage.

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### ◆ 尺寸图 Dimensions(mm)/接线图 Circuit Diagram



单线圈 Single coil



双线圈 Double coil

