

QY671C-120A磁保持继电器/Magnetic Latching Relay



◆ 特点 Chracteristic

- > 120A触点切换能力
- > 低功耗脉冲驱动操作
- > 线圈与触点间耐压可达到4000V
- > 环保产品(符合ROHS)
- > 外形尺寸：117.0x52.0x28.0mm
- > 120A switching capability
- > Low consumption,Pulse driven operation
- > 4kV dielectric strength (between coil & contacts)
- > Environmental friendly product (RoHS)
- > Outline size:117.0x52.0x28.0mm.

◆ 订货标记 Ordering Information

QY671C-120A / 012 / 1L / 3H / (XXX)

1 2 3 4 5 6

- 1.基本型号 Part number: QY671C
- 2.触点容量 Contact rating: 120A
- 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: 3H- 3 Form A , 3D-3 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	3H,3D
触点材料Contact material	AgSnO ₂
接触电阻Contact resistance	2.0mΩ(1A 6VDC)
触点负载Contact rating	120A 250VAC
最大转换功率Max.switching power	30000VA
机械寿命Mechanical life	5x10 ⁵
电气寿命Electrical life	1x10 ⁴

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◆ 性能 Characteristics

绝缘电阻 Insulation resistance		1000MΩ(500VDC)
介质耐压 Dielectric Strength	触点与线圈间 Between coil & contacts	4000VAC
	断开触点间 Between open contacts	2000VAC
闭合时间 Operate time		50msec.Max.
断开时间 Release time		50msec.Max.
抗冲击 Shock resistance	稳定性 Functional	100M/S ² (10g)
	强度 Destructive	1000M/S ² (100g)
振动 Vibration resistance		10~55Hz 1.5mm
温度 Humidity		98%RH,40℃
温度范围 Ambient temperature		-40~85℃
引出端方式 Termination		快连接式 Fast connection
重量 Unit weight		320g
封装形式 Constrution		防尘罩 Dust protected

◆ 线圈 Coil

线圈功耗 Coil power	单线圈 : 2.50W Single coil:2.50W	双线圈 : 5.00W Double coil: 5.00W
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◆ 线圈参数 Coil Date

额定电压(VDC) Rated Voltage	置位/复位电压(VDC) Pick-up Voltage	脉冲宽度(ms) Pulse Duration	单线圈电阻(Ω) Single Coil Resistance	双线圈电阻(Ω) Double Coil Resistance
9	≤6.75	≥50	32±10%	16/16±10%
12	≤9.0	≥50	57±10%	29/29±10%
24	≤18	≥50	230±10%	115/115±10%
48	≤36	≥50	920±10%	460/460±10%

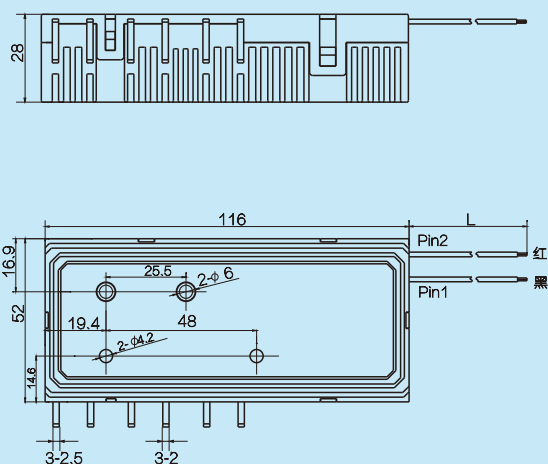
备注:如需其他额定电压,可特殊定货。

Note:Special ordering for other coil voltage.

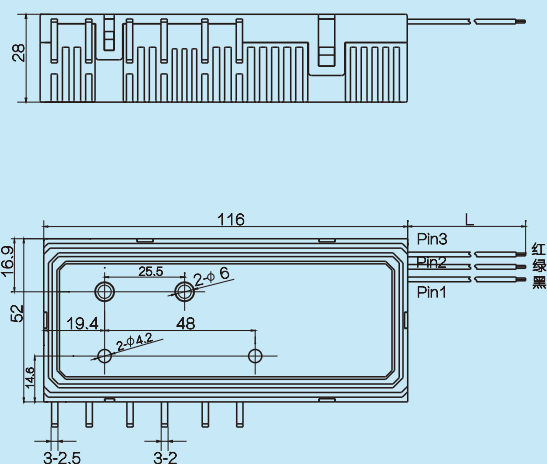
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◆ 尺寸图 Dimensions(mm)/接线图 Circuit Diagram

单线圈 Single Coil



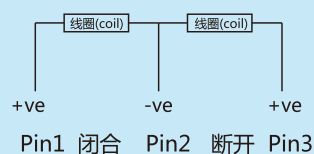
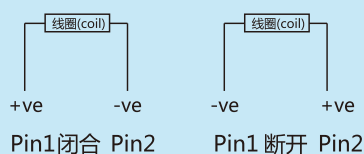
双线圈 Double Coil



单线圈 Single Coil

双线圈 Double Coil

接线图(wiring diagram)



注意事项

- 1、磁保持继电器出厂状态为动作或复归状态,但因运输或继电器安装时受到冲击等因素的影响,可能会改变状态,因而使用时(电源接入时)请根据需要重新将其设置为复归状态或动作状态;
- 2、为了确保磁保持继电器动作或复归,施加到线圈上的激励电压须达到额定电压,脉冲宽度须大于动作或复归时间的5倍;不要同时向动作线圈和复归线圈施加电压;不要长时间(大于1分钟)向线圈施加电压;
- 3、不带软铜编线的磁保持继电器负载引出脚不能焊锡,不能随意扳动;