

特点

- 可提供单双线圈，体积小，功耗低
- 高负载能力，切换电流可达90A/250VAC
- UC2认证，短路电流承受能力可达4500A
- 符合ROHS标准
- 可根据客户需要提供不同形式的外围连接方式
- 外形尺寸：38mm×30mm×16.5mm

Feature

- Single coil, Dual coil available, Low power consumption
- Switch capability 90A/250VAC
- UC2 approval, Short-circuit current capability 4500A
- ROHS Standards
- OEM, Customize acceptable
- Dimensions : 38mm×30mm×16.5mm

性能参数 Characteristics

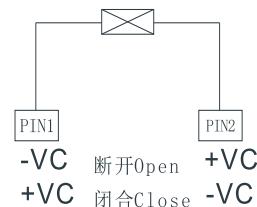
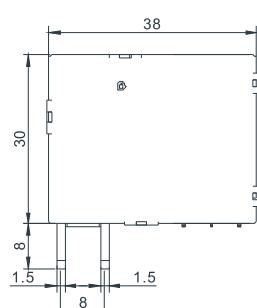
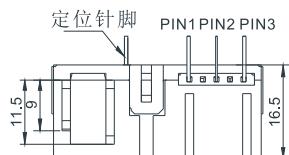
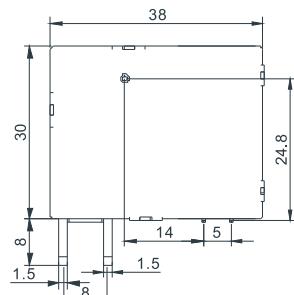
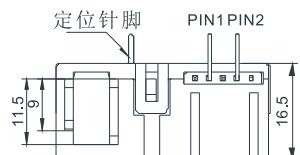
触点材料 Contact material	银合金 Silver alloy		
接触电阻 Contact resistance	0.8mΩ Max		
阻性负载 Contact load	90A 251VAC		
最大切换电流 Max switching current	90A		
最大切换电压 Max switching voltage	250VAC		
最大切换功率 Max switching power	22500VA		
最大短路电流 Max short-circuit current	4,500A		
吸合同跳时间 bouncing time	2.0ms Max		
吸合时间 Response time	20ms Max		
释放时间 Release time	20ms Max		
绝缘电压 Insulation time	1,000MΩ Min (DC500V)		
介质耐压 Dielectric strength	触点与触点 Between contacts: AC 2200VAC, 1Min		
	触点与线圈 Between contacts & coil: AC 4000VAC, 1Min		
抗振动 Vibration resistance	耐久 Duration		10 ~ 55Hz double 1.5mm
	误动作 Malfunction		10 ~ 55Hz double 1.5mm
抗冲击 Shock resistance	耐久 Duration		10G min
	误动作 Malfunction		100G min
寿命 Service life	机械寿命 Mechanical life		100,000 cycles
	电气寿命 Electrical life		10,000 cycles
环境温度 Ambient temperature	-40°C ~ +70°C		
重量 Weight	约55g Approx 55g		

线圈参数 Coil parameters (at 20°C)

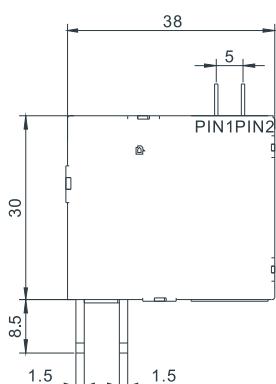
额定电压 Rate Voltage	线圈电阻 Coil resistance		额定功率 Rated power		过载电压 Overload voltage	吸合电压 Operate voltage	释放电压 Release voltage	脉冲宽度 Pulse duration
	单线圈 Single coil	双线圈 Dual coil	单线圈 Single coil	双线圈 Dual coil				
5	25	12/12	1W	2W	≤200%	≤70%	≤70%	≥60ms
9	81	40/40						
12	144	72/72						
5	16	8/8						
9	54	27/27						
12	96	48/48						



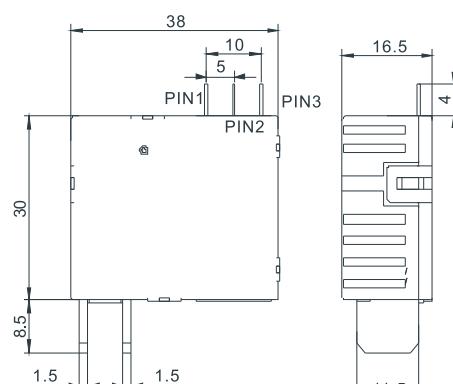
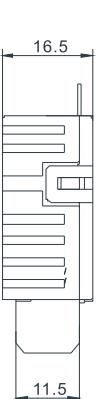
外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)



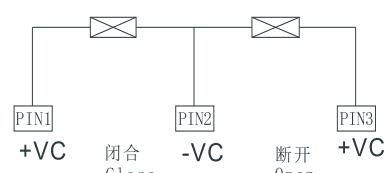
针脚引线反向引出Coil lead wire reverse lead:



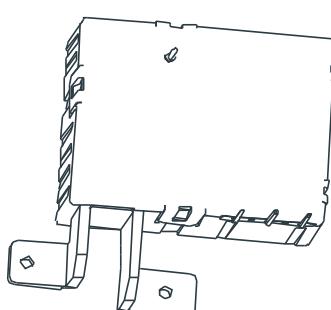
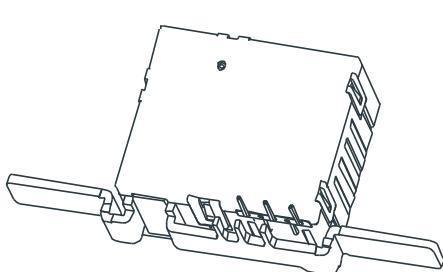
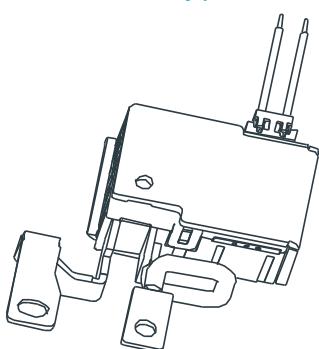
单线圈
Single Coil



双线圈
Double Coil



典型安装型式样Typical installation



注意事项 Application Notes

- 所有继电器在出厂时都设置为闭合状态。在装运或组装的过程中继电器可能会变成释放的状态。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。
- 为了使继电器在吸合或释放的状态，线圈电压需达到额定电压，为确保磁保持继电器动作或复归脉冲宽度不小于60ms。不需要向线圈上的pin1和pin2施加电压超过一分钟以上，以防线圈损坏。
- 继电器有极性区分，用户需指明属于何种极性。
- 继电器入厂检验及使用轻拿轻放，防止损坏影响参数，入厂作破坏性检查的产品要与正常产品严格区分标识，不得装机使用。
- 非带铜绞线的继电器，负载引脚不能焊锡，引脚针刚性固定，不能随意扭动。

1. All the relays are shipped in the "operate" position because it is possible that during transit or final assembly the relay could change its state to the "release" position. Please reset the relay into "operate" state when put in circuit according to need.

2. In order to maintain "operate" or "release" state of the relay, the coil voltage should reach the rated voltage. The pulse width should be 60ms or longer to ensure a proper change of state.

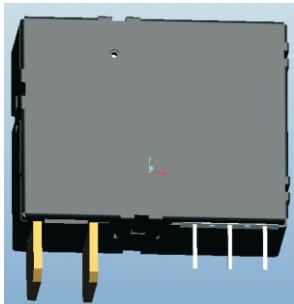
Do not energize both pin1 and pin2 at the same time on the coil for longer than 1 min (damage to the coil).

3. Relays are classified according to the polarity, if client need different form from information, please contact us.

4. The relay into the factory for destructive inspection should be protected from damage and strict distinction between the normal products.

5. Not with braided line relay, the load pin can not solder, not arbitrarily wrench, two pins and rigid fixation.

特点



- 可提供单双线圈，体积小，功耗低
- 高负载能力，切换电流可达60A/250VAC
- UC2认证，短路电流承受能力可达4500A
- 符合ROSH标准
- 可根据客户需要提供不同形式的外围连接方式
- 外形尺寸：38mm×30mm×16.5mm

Feature

- Single coil, Dual coil available, Low power consumption
- Switch capability 60A/250VAC
- UC2 approval, Short-circuit current capability 4500A
- ROHS Standards
- OEM, Customize acceptable
- Dimensions : 38mm×30mm×16.5mm

性能参数 Characteristics

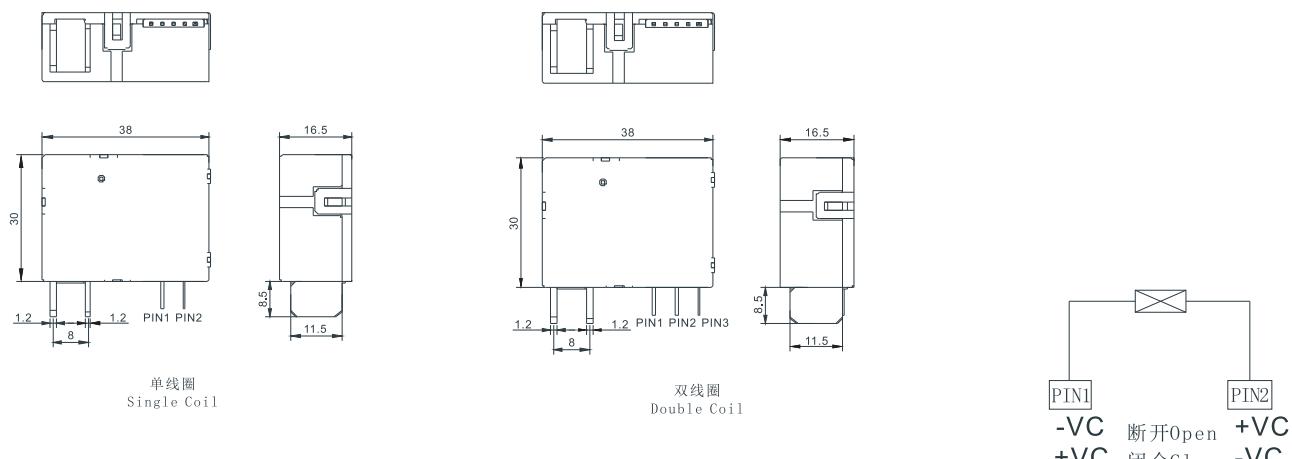
触点材料 Contact material	银合金 Silver alloy	
接触电阻 Contact resistance	1.0mΩ Max	
阻性负载 Contact load	60A 251VAC	
最大切换电流 Max switching current	60A	
最大切换电压 Max switching voltage	250VAC	
最大切换功率 Max switching power	15000VA	
最大短路电流 Max short-circuit current	4,500A	
吸合回跳时间 bouncing time	2.0ms Max	
吸合时间 Response time	20ms Max	
释放时间 Release time	20ms Max	
绝缘电压 Insulation time	1,000MΩ Min (DC500V)	
介质耐压 Dielectric strength	触点与触点 Between contacts: AC 2200VAC, 1Min 触点与线圈 Between contacts & coil: AC 4000VAC, 1Min	
抗振动 Vibration resistance	耐久 Duration	10 ~ 55Hz double 1.5mm
	误动作 Malfunction	10 ~ 55Hz double 1.5mm
抗冲击 Shock resistance	耐久 Duration	10G min
	误动作 Malfunction	100G min
寿命 Service life	机械寿命 Mechanical life	100,000 cycles
	电气寿命 Electrical life	10,000 cycles
环境温度 Ambient temperature	-40°C ~ +70°C	
重量 Weight	约48g Approx 48g	

线圈参数 Coil parameters (at 20°C)

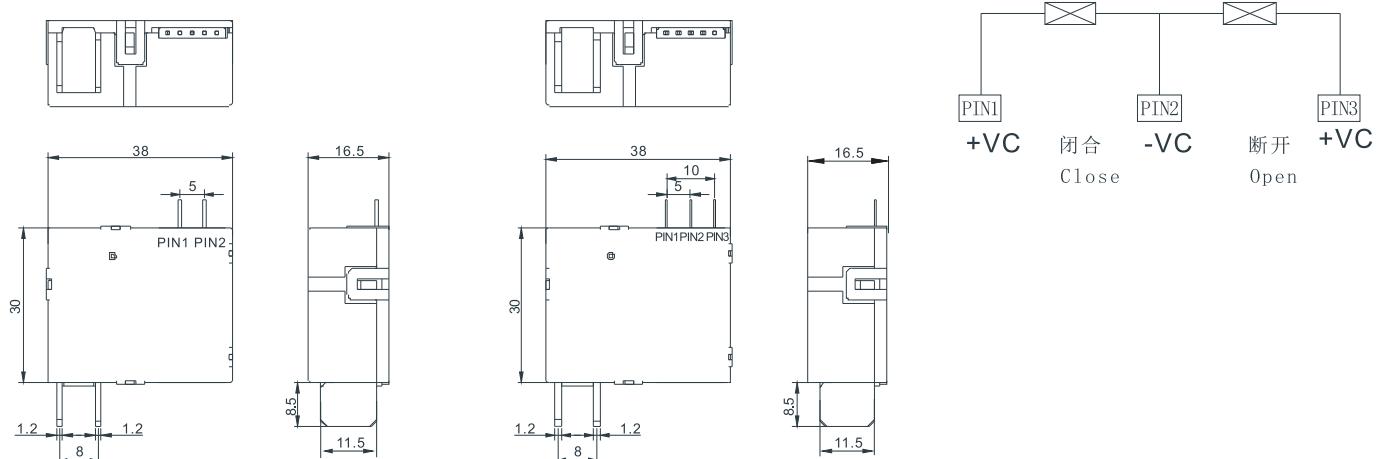
额定电压 Rate Voltage	线圈电阻 Coil resistance		额定功率 Rated power		过载电压 Overload voltage	吸合电压 Operate voltage	释放电压 Release voltage	脉冲宽度 Pulse duration
	单线圈 Single coil	双线圈 Dual coil	单线圈 Single coil	双线圈 Dual coil				
5	25	12/12	1W	2W	≤200%	≤70%	≤70%	≥60ms
9	81	40/40						
12	144	72/72						
5	16	8/8	1.5W	3W	≤200%	≤70%	≤70%	≥60ms
9	54	27/27						
12	96	48/48						



外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)



针脚引线反向引出Coil lead wire reverse lead:



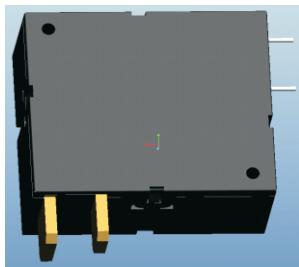
典型安装型式样Typical installation



注意事项 Application Notes

- 所有继电器在出厂时都设置为闭合状态。在装运或组装的过程中继电器可能会变成释放的状态。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。
- 为了使继电器在吸合或释放的状态，线圈电压需达到额定电压，为确保磁保持继电器动作或复归脉冲宽度不小于60ms。不需要向线圈上的pin1和pin2施加电压超过一分钟以上，以防线圈损坏。
- 继电器有极性区分，用户需指明属于何种极性。
- 继电器入厂检验及使用轻拿轻放，防止损坏影响参数，入厂作破坏性检查的产品要与正常产品严格区分标识，不得装机使用。
- 非带铜绞线的继电器，负载引脚不能焊锡，引脚针刚性固定，不能随意扭动。

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- In order to maintain "operate" or "release" state of the relay, the coil voltage should reach the rated voltage. The pulse width should be 60ms or longer to ensure a proper change of state.
Do not energize both pin1 and pin2 at the same time on the coil for longer than 1 min(damage to the coil)
- Relays are classified according to the polarity, if client need different form from information, please contact us.
- The relay into the factory for destructive inspection should be protected from damage and strict distinction between the normal products.
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特点

- 可提供单双线圈，体积小，功耗低
- 高负载能力，切换电流可达100A、120A/250VAC
- UC3认证，短路电流承受能力可达6000A
- 符合ROSH标准
- 可根据客户需要提供不同形式的外围连接方式
- 外形尺寸：43mm×37mm×22mm；

Feature

- Single coil, Dual coil available, Low power consumption
- Switch capability 100A、120A/250VAC
- UC3 approval, Short-circuit current capability 6000A
- ROSH Standards
- OEM, Customize acceptable
- Dimensions: 43mm×37mm×22mm

性能参数 Characteristics

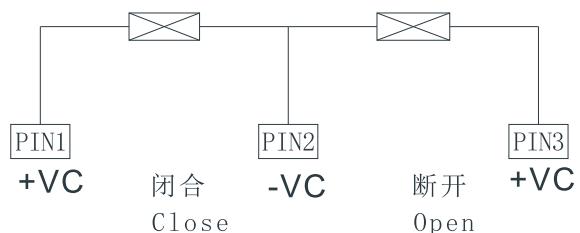
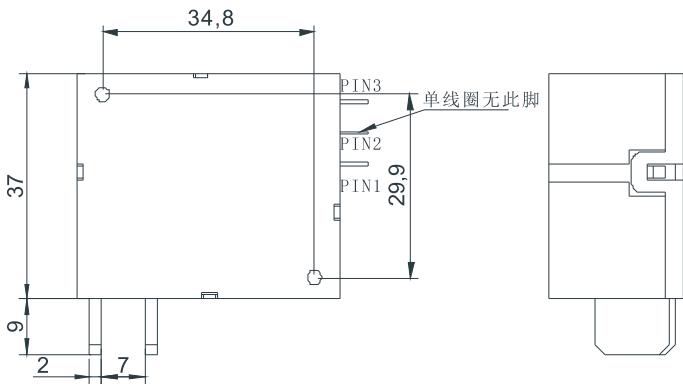
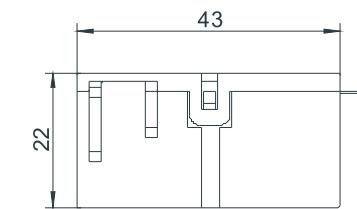
触点材料 Contact material	银合金 Silver alloy		
接触电阻 Contact resistance	0.8mΩ Max		
阻性负载 Contact load	100A 250VAC		120A 250VAC
最大切换电流 Max switching current	100A		120A
最大切换电压 Max switching voltage	250VAC		250VAC
最大切换功率 Max switching power	25000VA		30000VA
最大短路电流 Max short-circuit current	6000A		6000A
吸收回跳时间 bouncing time	2.0ms Max		
吸合时间 Response time	20ms Max		
释放时间 Release time	20ms Max		
绝缘电压 Insulation time	1,000MΩ Min (DC500V)		
介质耐压 Dielectric strength	触点与触点 Between contacts: AC 2200VAC, 1Min		
	触点与线圈 Between contacts & coil: AC 4000VAC, 1Min		
抗振动 Vibration resistance	耐久 Duration		10 ~ 55Hz double 1.5mm
	误动作 Malfunction		10 ~ 55Hz double 1.5mm
抗冲击 Shock resistance	耐久 Duration		10G min
	误动作 Malfunction		100G min
寿命 Service life	机械寿命 Mechanical life		100,000 cycles
	电气寿命 Electrical life		120A cosφ=1
			≥5000
环境温度 Ambient temperature	-40°C ~ +70°C		
重量 Weight	约75g Approx 75g		

线圈参数 Coil parameters (at 20°C)

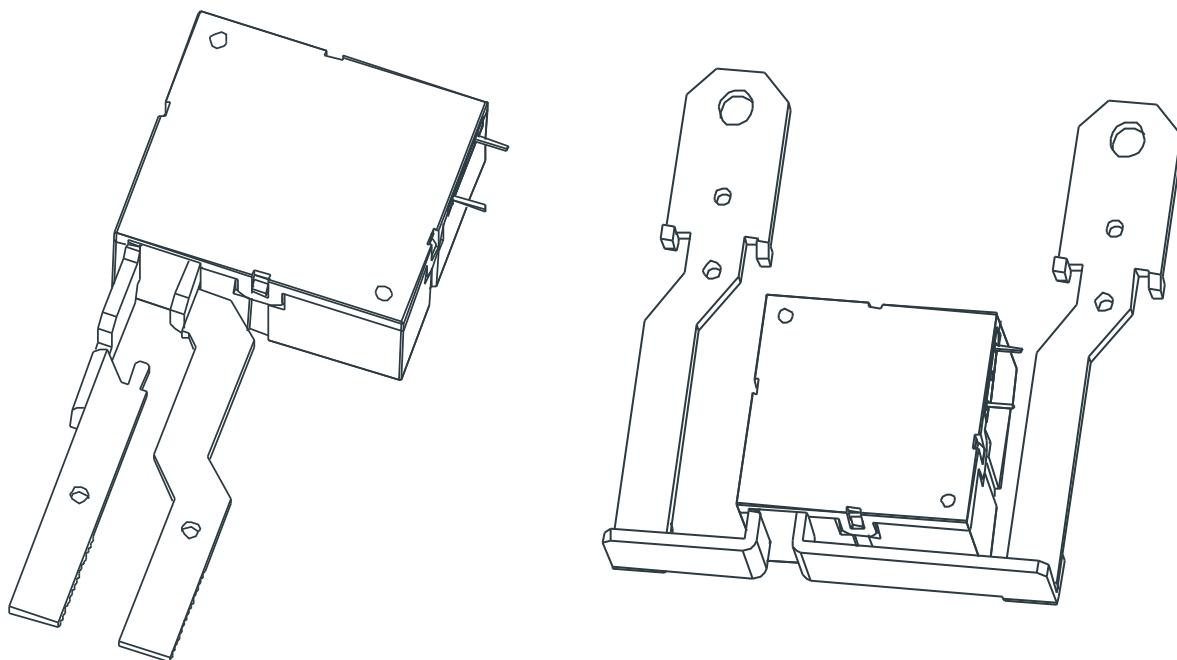
额定电压 Rate Voltage	线圈电阻 Coil resistance		额定功率 Rated power		过载电压 Overload voltage	吸合电压 Operate voltage	释放电压 Release voltage	脉冲宽度 Pulse duration
	单线圈 Single coil	双线圈 Dual coil	单线圈 Single coil	双线圈 Dual coil				
5	8.3	4.2/4.2	3W	6W	≤200%	≤70%	≤70%	≥60ms
9	27	13.5/13.5						
12	48	24/24						
24	192	96						
48	768	384						



外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)



典型安装型式样 Typical installation



注意事项 Application Notes

- 1.所有继电器在出厂时都设置为闭合状态。在装运或组装的过程中继电器可能会变成释放的状态。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。
- 2.为了使继电器在吸合或释放的状态，线圈电压需达到额定电压，为确保磁保持继电器动作或复归脉冲宽度不小于60ms。不需要向线圈上的pin1和pin2施加电压超过一分钟以上，以防线圈损坏。
- 3.继电器有极性区分，用户需指明属于何种极性。
- 4.继电器入厂检验及使用轻拿轻放，防止损坏影响参数，入厂作破坏性检查的产品要与正常产品严格区分标识，不得装机使用。
- 5.非带铜绞线的继电器，负载引脚不能焊锡，引脚针刚性固定，不能随意扭动。

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Do not energize both pin1 and pin2 at the same time on the coil for longer than 1 min(damage to the coil)
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特点

- 可提供单双线圈，体积小，功耗低
- 高负载能力，切换电流可达120A/250VAC
- 产品动作时间误差0.1ms，抖动<500μs
- 符合ROSH标准
- 可根据客户需要提供不同形式的外围连接方式
- 适用于35-50KVar电容器
- 外形尺寸：43mm×37mm×22mm；

Feature

- Single coil, Dual coil available, Low power consumption
- Switch capability 100A、120A/250VAC
- product action time error 0.1ms ,bouncing time less than 500μS● ROSH Standards
- OEM, Customize acceptable
- Suitable for 35-50Kvar capacitors
- Dimensions:43mm×37mm×22mm

性能参数 Characteristics

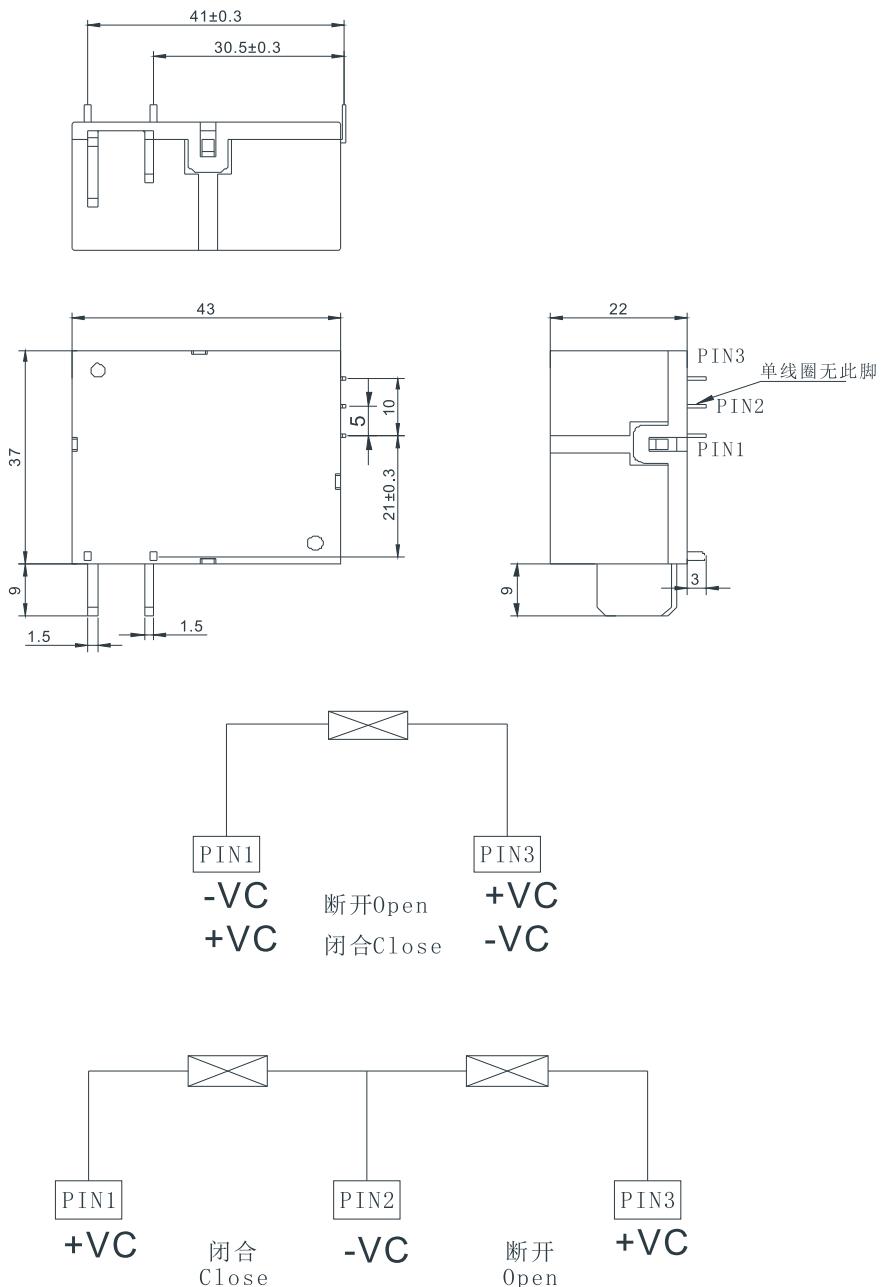
触点材料 Contact material	银合金 Silver alloy	
接触电阻 Contact resistance	1.0mΩ Max	
阻性负载 Contact load	120A 250VAC	
最大切换电流 Max switching current	120A	
最大切换电压 Max switching voltage	250VAC	
最大切换功率 Max switching power	30000VA	
最大短路电流 Max short-circuit current	6000A	
吸合同跳时间 bouncing time	0.5ms Max(2倍额定电压驱动)	
吸合时间 Response time	6.5ms Max (2倍额定电压驱动)	
释放时间 Release time	6.5ms Max (2倍额定电压驱动)	
绝缘电压 Insulation time	1,000MΩ Min (DC500V)	
介质耐压 Dielectric strength	触点与触点 Between contacts: AC 2500VAC, 1Min 触点与线圈 Between contacts & coil: AC 4000VAC, 1Min	
抗振动 Vibration resistance	耐久 Duration	10 ~ 55Hz double 1.5mm
	误动作 Malfunction	10 ~ 55Hz double 1.5mm
抗冲击 Shock resistance	耐久 Duration	10G min
	误动作 Malfunction	100G min
寿命 Service life	机械寿命 Mechanical life	1000,000 cycles
	电气寿命 Electrical life	10,000 cycles
环境温度 Ambient temperature	-40°C ~ +70°C	
重量 Weight	约68g Approx 68g	

线圈参数 Coil parameters (at 20°C)

额定电压 Rate Voltage	线圈电阻 Coil resistance		额定功率 Rated power		过载电压 Overload voltage	吸合电压 Operate voltage	释放电压 Release voltage	脉冲宽度 Pulse duration
	单线圈 Single coil	双线圈 Dual coil	单线圈 Single coil	双线圈 Dual coil				
5	8.3	4.2/4.2	3W	6W	≤200%	≤70%	≤70%	≥60ms
9	27	13.5/13.5						
12	48	24/24						
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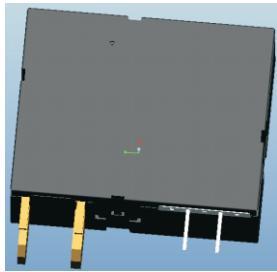
外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)



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特点

- 可提供单双线圈，体积小，功耗低
- 产品动作时间误差0.1ms，抖动<300μs
- UC2认证，短路电流承受能力可达4500A
- 触点耐压2500V
- 可根据客户需要提供不同形式的外围连接方式
- 适用于15-35KVar电容器
- 符合ROHS标准
- 外形尺寸：38mm×30mm×16.5mm

Feature

- Single coil, Dual coil available, Low power consumption
- product action time error 0.1ms ,bouncing time less than 300μs
- UC3 approval, Short-circuit current capability 6000A
- Contact pressure 2500V
- OEM, Customize acceptable
- Suitable for 15-35Kvar capacitors
- ROHS Standards
- Dimensions : 38mm×30mm×16.5mm

性能参数 Characteristics

触点材料 Contact material	银合金 Silver alloy	
接触电阻 Contact resistance	2.0mΩ Max	
阻性负载 Contact load	90A 251VAC	
最大切换电流 Max switching current	90A	
最大切换电压 Max switching voltage	250VAC	
最大切换功率 Max switching power	22500VA	
最大短路电流 Max short-circuit current	4,500A	
吸合同跳时间 bouncing time	0.3ms Max(2倍额定电压驱动)	
吸合时间 Response time	6ms Max (2倍额定电压驱动)	
释放时间 Release time	6ms Max (2倍额定电压驱动)	
绝缘电压 Insulation time	1,000MΩ Min (DC500V)	
介质耐压 Dielectric strength	触点与触点 Between contacts:AC 2500VAC, 1Min 触点与线圈 Between contacts & coil:AC 4000VAC, 1Min	
抗振动 Vibration resistance	耐久 Duration	10 ~ 55Hz double 1.5mm
	误动作 Malfunction	10 ~ 55Hz double 1.5mm
抗冲击 Shock resistance	耐久 Duration	10G min
	误动作 Malfunction	100G min
寿命 Service life	机械寿命 Mechanical life	1000,000 cycles
	电气寿命 Electrical life	10,000 cycles
环境温度 Ambient temperature	-40°C ~ +70°C	
重量 Weight	约50g Approx 50g	

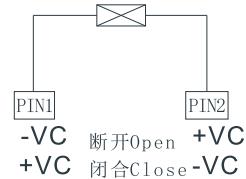
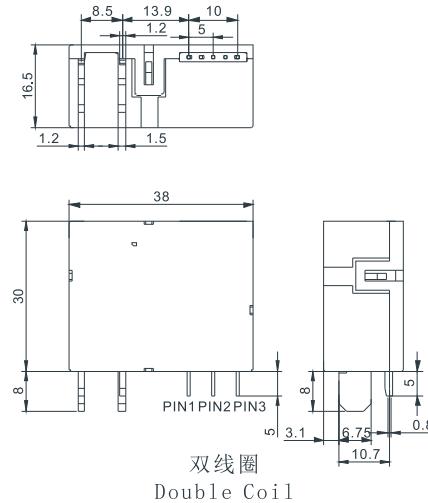
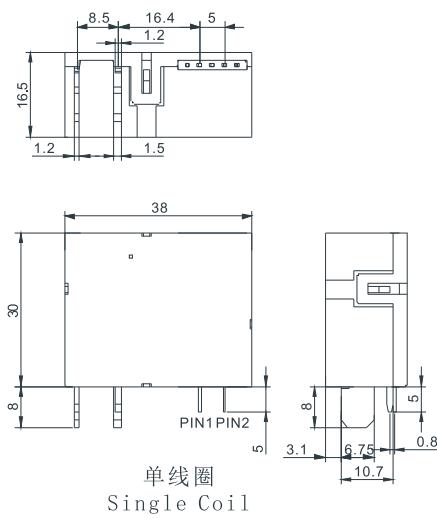
线圈参数 Coil parameters (at 20°C)

额定电压 Rate Voltage	线圈电阻 Coil resistance		额定功率 Rated power		过载电压 Overload voltage	吸合电压 Operate voltage	释放电压 Release voltage	脉冲宽度 Pulse duration
	单线圈 Single coil	双线圈 Dual coil	单线圈 Single coil	双线圈 Dual coil				
5	25	12/12	1W	2W	≤200%	≤70%	≤70%	≥60ms
9	81	40/40						
12	144	72/72						
5	16	8/8	1.5W	3W	≤200%	≤70%	≤70%	≥60ms
9	54	27/27						
12	96	48/48						

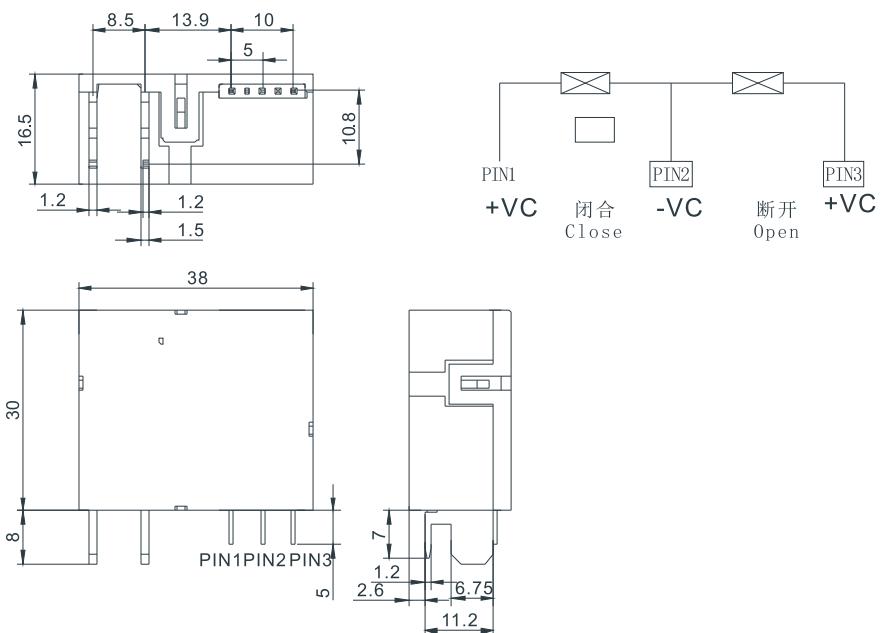
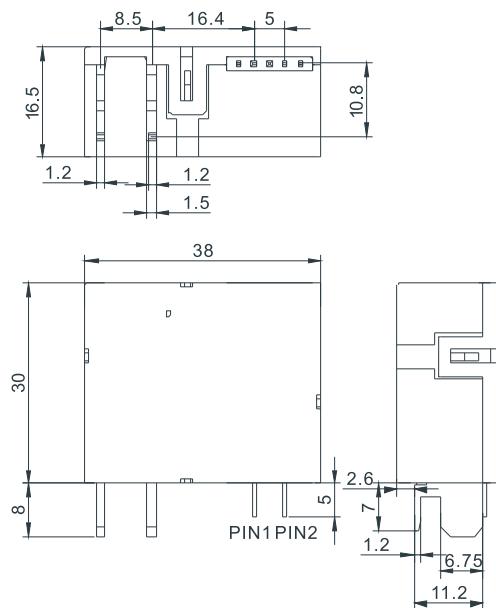


外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)

Type A



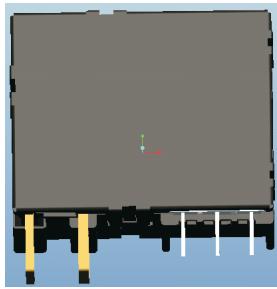
Type B



注意事项 Application Notes

- 1.所有继电器在出厂时都设置为断开状态。在装运或组装的过程中继电器可能会变成释放的状态。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。
- 2.为了使继电器在吸合或释放的状态，线圈电压需达到额定电压，为确保磁保持继电器动作或复归脉冲宽度不小于60ms。不需要向线圈上的pin1和pin2施加电压超过一分钟以上，以防线圈损坏。
- 3.继电器有极性区分，用户需指明属于何种极性。
- 4.继电器入厂检验及使用轻拿轻放，防止损坏影响参数，入厂作破坏性检查的产品要与正常产品严格区分标识，不得装机使用。
- 5.非带铜绞线的继电器，负载引脚不能焊锡，引脚针刚性固定，不能随意扭动。

- 1.All the relays are shipped in the "release" position because it is possible that during transit or final assembly the relay could change its state to the "release" position. Please reset the relay into "operate" state when put in circuit according to need.
- 2.In order to maintain "operate" or "release" state of the relay, the coil voltage should reach the rated voltage. The pulse width should be 60ms or longer to ensure a proper change of state.
Do not energize both pin1 and pin2 at the same time on the coil for longer than 1 min(damage to the coil)
- 3.Relays are classified according to the polarity, if client need different form from information, please contact us.
- 4.The relay into the factory for destructive inspection should be protected from damage and strict distinction between the normal products.
- 5.Not with braided line relay, the load pin can not solder, not arbitrarily wrench, two pins and rigid fixation.



特点

- 可提供单双线圈，体积小，功耗低
- 产品动作时间误差0.1ms，抖动<300μs
- UC2认证，短路电流承受能力可达4500A
- 触点耐压2500V
- 可根据客户需要提供不同形式的外围连接方式
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Feature

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- Contact pressure 2500V
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	电气寿命 Electrical life	10,000 cycles
环境温度 Ambient temperature	-40°C ~ +70°C	
重量 Weight	约50g Approx 50g	

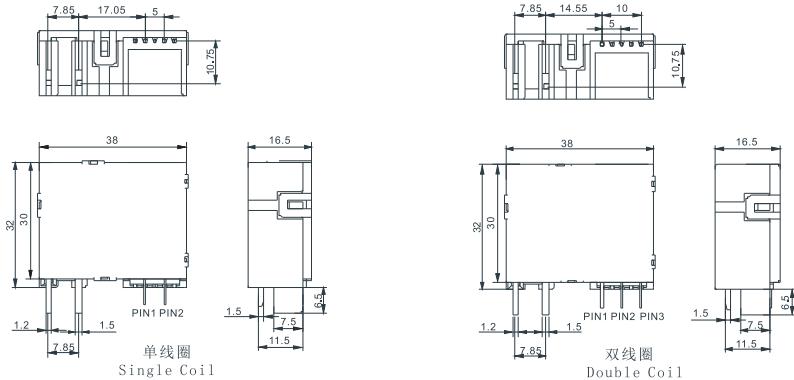
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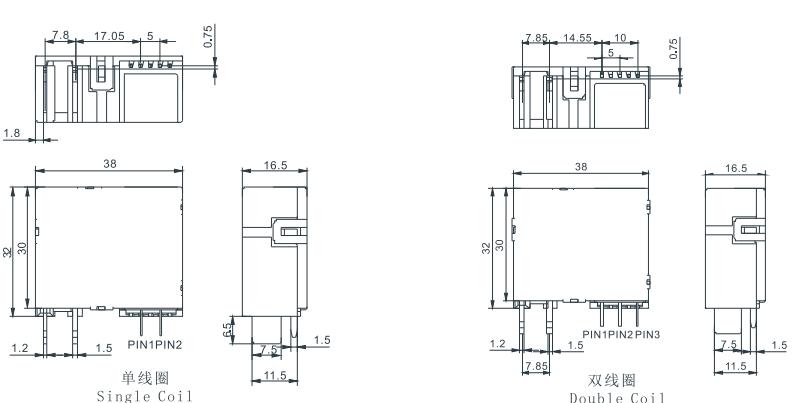


外型尺寸及接线图 Dimension、Wiring、PCB Layout (unit: mm)

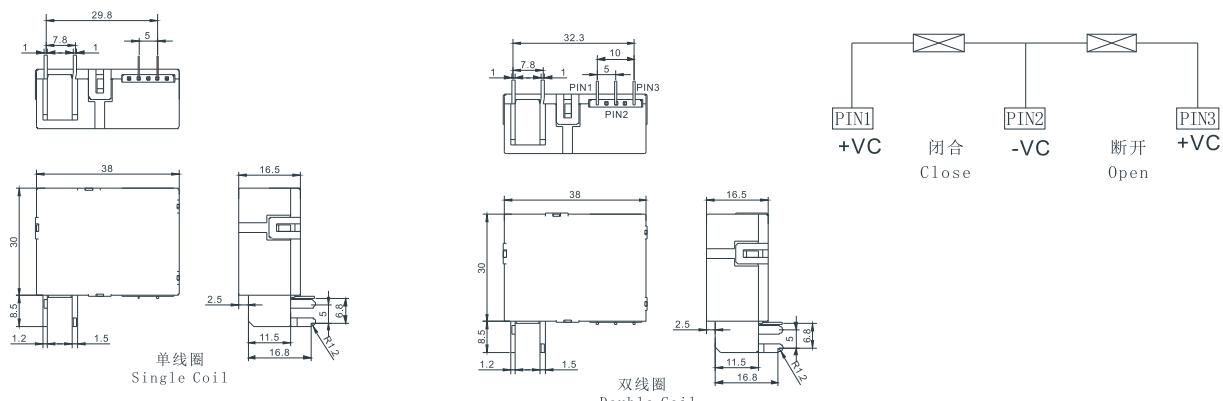
TypeA



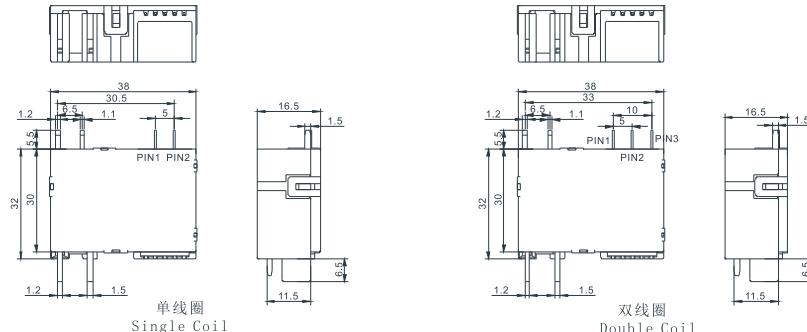
TypeB



TypeC



TypeD



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