

特性 FEATURES



- 25A 电机负载
- 超小型
- 转换型触点形式
- 单、双继电器可选
- H 级 (180°C) 线圈绝缘等级
- 25A motor locked load
- Extremely small relay
- Change-over contact version
- Single relay and dual-bank relay available
- Coil wire insulation class H (180°C)

触点参数 CONTACT PARAMETERS

触点形式	Contact Arrangement	1C: 单继电器 Single Relay 2C: 双继电器 Dual-bank Relay
触点材料	Contact Material	银合金 Silver Alloy
接触压降 (初始)	Voltage Drop(Initial)	典型值 Typ. 50mV, 最大值 Max. 250mV (at 10A)
最大连续电流	Max. Continuous Current	25A
最大切换电压	Max. Switching Voltage	16VDC
电气寿命	Electrical Life	见附表 1(See schedule 1)
机械寿命	Mechanical Life	1×10^6 次 OPS

附表 1 SCHEDULE 1

负载电压 Load Voltage	负载类型 Load Type	触点负载电流 Load Current A		通断比 On/Off Ratio s		电耐久性 (次) Electrical Endurance OPS	
		1C、2C		接通 On	断开 Off		
		常开 NO	常闭 NC				
14VDC	电机负载 Motor	接通 Make	25	--	0.3	19.7	1×10^5
		断开 Break	25	--			
	模拟车窗升降 Simulate Window Operation	接通 Make	25	--	0.2	4	1×10^5
		断开 Break	10	--	2.3		
		接通 Make	25	--	0.5		
	模拟马达自由运转 Simulate Motor Operation	断开 Break	27	-	0.02	1.8	1×10^5
		接通 Make	17		0.03		
		断开 Break	8	-	0.15		

性能参数 FUNCTION PARAMETERS

绝缘电阻	Insulation Resistance	100MΩ (500VDC)
介质耐压	Dielectric Strength	触点与线圈间 Between Coil & Contacts: 500VAC 1min 断开触点间 Between Open Contacts: 500VAC 1min
动作时间	Operate Time	≤10ms
释放时间	Release Time	≤10ms
环境温度	Ambient Temperature	-40°C ~+85°C
振动	Vibration	10Hz~500Hz 49m/s ²
冲击	Shock	98m/s ²
引出端方式	Terminal Form	印刷电路板引出端 PCB
封装形式	Construction	塑封型 Sealed, 防焊剂型 Flux Proofed
重量	Unit Weight	1C: 约 Approx. 4g 2C: 约 Approx. 8g

线圈规格表 COIL DATA(23°C)

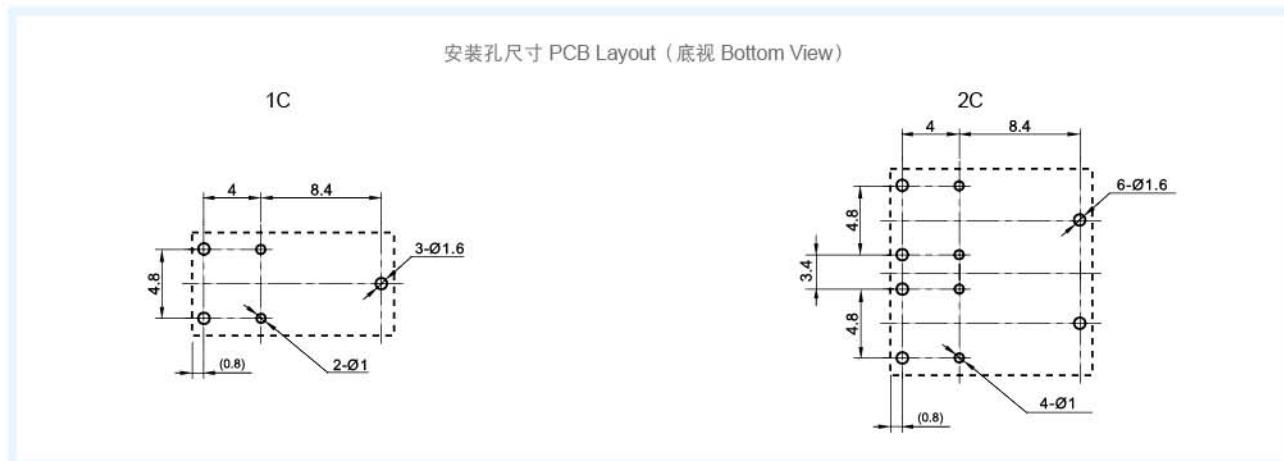
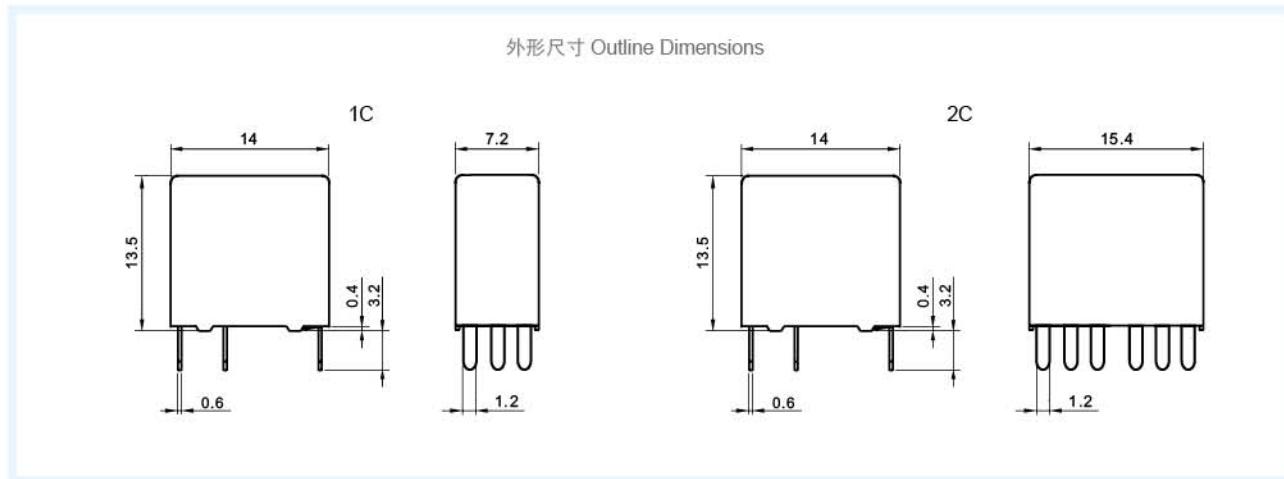
	额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	线圈电阻 Coil Resistance $\Omega \pm 10\%$	线圈功率 Coil Power W	允许最大线圈电压 ⁽¹⁾ Max Allowable Overdrive Voltage VDC	
						20°C	85°C
标准型 Standard	12	≤ 7.2	≥ 1.0	225	0.64	20	16
低动作电压型 Low Pick-up Voltage	12	≤ 6.5	≥ 1.0	180	0.8	18	14

注意: (1)触点无负载电流、线圈电阻为最小值情况下, 继电器线圈允许施加的最大连续工作电压。
Note: Max. Allowable overdrive voltage is stated with no load applied minimum coil resistance.

订货标记示例 ORDERING INFORMATION

		MAC	-S	-2	12	-C	-P
产品型号 Model:	MAC						
产品结构 Structure:	无 Nil: 防焊剂型 Flux Proofed S: 塑封型 Sealed						
触点组数 Contact group:	1: 单继电器 Single Relay 2: 双继电器 Dual-bank Relay						
线圈电压 Coil voltage:	12: 12VDC						
触点形式 Contact form:	C: 转换 NO/NC						
线圈功率 Coil power:	无 Nil: 标准型 Standard P: 低动作电压型 Low pick-up voltage						

外形尺寸、接线图、安装孔尺寸 OUTLINE DIMENSIONS, WIRING DIAGRAM AND PCB LAYOUT(单位 Unit: mm)



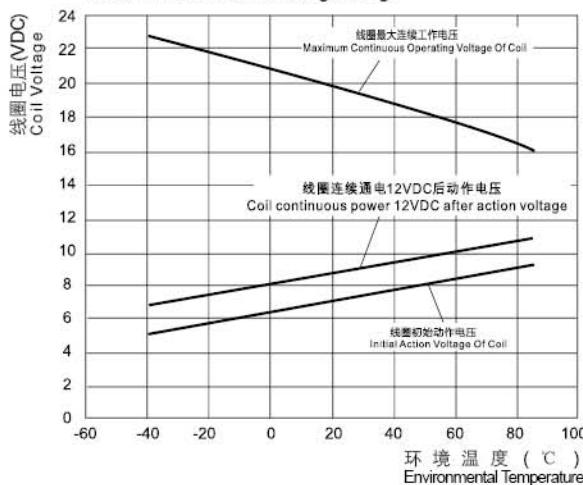
接线图 Wiring Diagram (底视 Bottom View)



性能曲线图 PERFORMANCE CURVE

1. 线圈连续通电电压范围
Coil Continuous Voltage Range

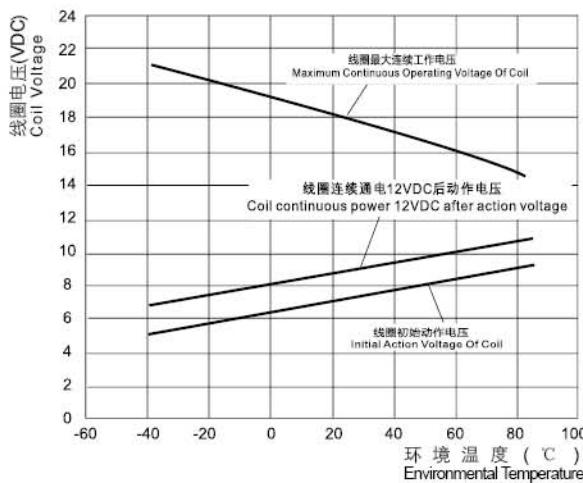
178Ω 线圈连续通电电压范围
178Ω Coil Continuous Voltage Range



说明:
 (1) 继电器线圈施加 最大连续工作电压时，触点应没有负载。
 (2) 动作电压与线圈预通电电压有关，预通电后检查动作电压，其值会变大。
 (3) 线圈最大允许温度为 180℃，考虑到电阻法所测量的线圈温升是平均值，推荐在不同使用环境、不同线圈电压、不同负载条件下测量时，线圈温度应小于 170℃。
 (4) 当线圈实际工作电压超出曲线规定范围时，请联系美硕并提供相应详细使用条件。

(1) There should be no contact load applied when maximum continuous operation voltage is applied on coil.
 (2) The operating voltage is connected with coil pre-energized time and voltage. After pre-energized, the operating voltage will increase.
 (3) The maximum allowable coil temperature is 180 °C . For the coil temperature rise which is measured by resistance is average value, we recommend the coil temperature should be below 170 °C under the different application ambient, different coil voltage and different load etc.
 (4) If the actual operating coil voltage is out of the specified range please contact meishuo for further details.

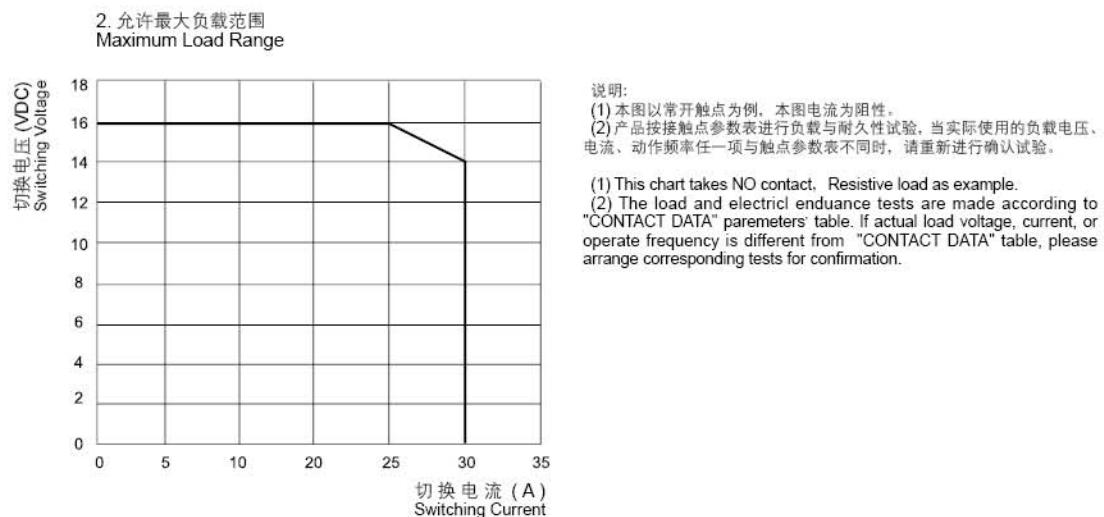
180Ω 线圈连续通电电压范围
180Ω Coil Continuous Voltage Range



说明:
 (1) 继电器线圈施加 最大连续工作电压时，触点应没有负载。
 (2) 动作电压与线圈预通电电压有关，预通电后检查动作电压，其值会变大。
 (3) 线圈最大允许温度为 180℃，考虑到电阻法所测量的线圈温升是平均值，推荐在不同使用环境、不同线圈电压、不同负载条件下测量时，线圈温度应小于 170℃。
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性能曲线图 PERFORMANCE CURVE



声明 STATEMENT:

本产品规格书仅供客户使用时参考, 若有更改, 恕不另行通知。

客户应根据具体的使用条件选择与之相匹配的产品。若有疑问, 请与美硕联系获取更多的技术支持, 但产品选型责任由客户承担。

This product specification is for reference only to customers, subject to change without notice.

The customer should select the matching product according to the use condition. Any questions, please feel free contact us to get more technical support. However, product selection responsibility only by the customer.

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