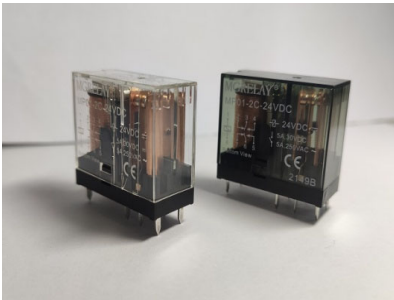


General power relay (AP)
通用功率继电器(AP)



Features 产品特点

- PCB type
適用焊置於印刷电路板
- standard capacity with 5A
标准容量 5A继电器
- 2 POLE NO/NC (Normally open/normally closed)
2 极 NO/NC (常开/常闭)
- 8 mm creepage distance, 5000 V withstand voltage between coil contacts
8mm爬电距离 ,线圈触点之间耐电压5000V
- Safety design of 10000 V impulse voltage between coil contacts
线圈触点之间耐冲击电压10000V的安全设计
- Low power consumption 0.5W
低功耗0.5W
- variety of sockets are available
有多种插座供选择
- Environmental compliance RoHS and REACH
环保产品 RoHS和REACH

Model code description 型号編碼说明

	AP	-2C	-*	24VDC
Series 系列:	AP			
Contact form 触点形式	2C:DPDT			
Blank: standard ordinary type 空白: 标准普通型				
H: Highly Sensitive H:高灵敏型				
Coil voltage 线圈电压	5VDC、6VDC、12VDC、24VDC、36VDC、48VDC、110VDC			

Product performance 产品性能

Contact form 触点	Model 型式		2C
	Load 负载	Resistive 阻性	5A@30VDC;5A@250VAC
		inductive 感性	3A,30VDC,L/R=7ms 2A,250V,cosΦ=0.4
	Switching power 切换功率		150W,1250VA
	Maximum switching current 最大切换电流		5A
	Contact resistance (initial) 接触电阻 (初始)		≤50mΩ
	Contact material 接点材料		AgNi 银镍合金
	Electrical life 电气寿命		10,0000 ops
	Mechanical life 机械寿命		3000,0000 ops
Closilng voltage 吸合电压 (23℃)			DC:≤70% (rated voltage 额定电压)
Release voltage 释放电压 (23℃)			DC:≥15% (rated voltage 额定电压)
Maximum voltage 最大电压 (23℃)			170% (rated voltage 额定电压)
Insulation resistance 绝缘电阻			1000MΩ @500VDC
Coil power 线圈功率	DC(W)		0.53W
Closilng response time (rated voltage) 吸合时间(额定电压)			≤15ms
Release time (rated voltage) 释放时间(额定电压)			≤5ms
Initial withstand voltage 初始耐压	Between contacts of the same pole 同极触点之间		1000VAC,1Min (Leakage current 漏电流1mA)
	Between contacts of different poles 异极触点之间		3000VAC,1Min (Leakage current 漏电流1mA)
	Between coil and contact 线圈与触点间		5000VAC,1Min (Leakage current 漏电流1mA)

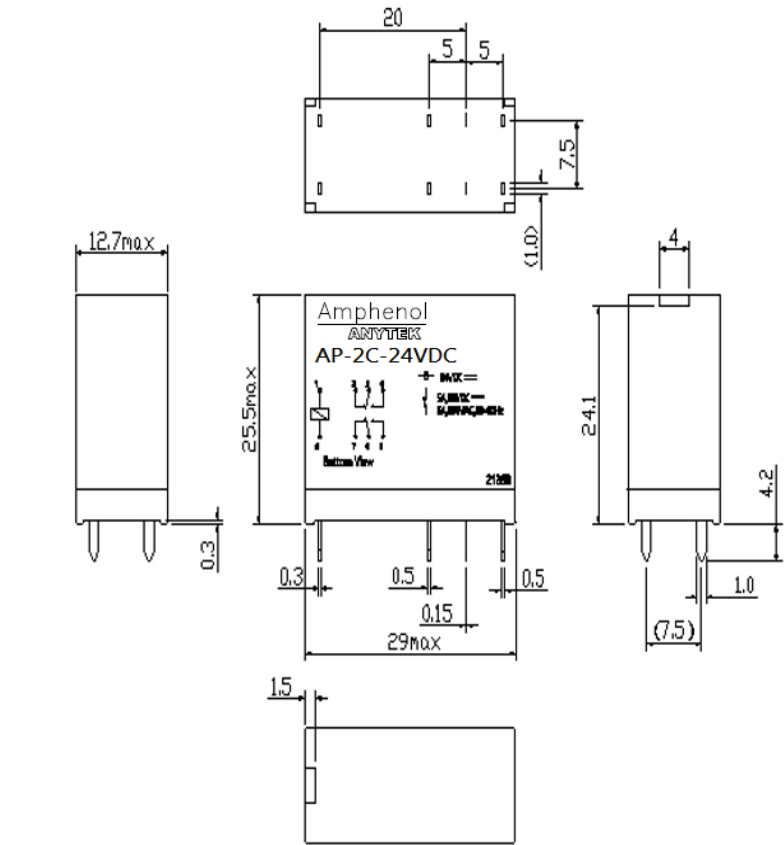
Environment temperature 环境温度	\$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}\$ (AC/DC) (No icing, no condensation 无结冰、无结露)
Environment humidity 环境湿度	5%RH~85%RH
Atmospheric pressure 大气压力	86-106KPa
Shock stability 冲击稳定性	100m/s2
Impact strength 耐冲击强度	1000m/s2
Vibration resistant 耐振动	10Hz~55Hz, Double amplitude 1.5mm
Mount method 安装方式	Socket Plug-in 插座插入式 or PCB type 印制板式
Volume 体积	29mm×12.7mm×25.5mm
Weight 重量	约117g

Coil specification table 线圈规格表 (Environment temperature 环境温度 + 23℃)

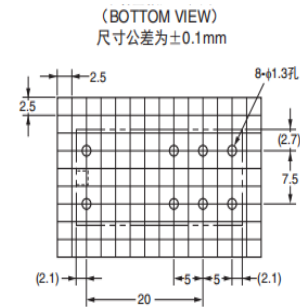
Rated voltage 额定电压 (V)		Operating Voltage 工作电压 (V)	Release voltage 释放电压 (V)	maximum voltage 最大电压(V)	Coil resistance 线圈电阻(Ω)±10%
DC	5VDC	≤70%	≥15%	170%	47
	6VDC				68
	12VDC				275
	24VDC				1100
	24VDC				2440
	48VDC				4300
	110VDC				22860

备注：最大电压是指继电器在短时间内能够承受的最大电压值。
Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

Outline drawing size (mm) 外形图尺寸



印制电路板加工尺寸 PCB processing dimensions



内部接线图 Wiring diagrams

