

Universal intermediate relay (AM_2C & 4C)
通用型中间继电器(AM_2C & 4C)



Features 产品特点

- >Various load specifications 多种负载规格：5A.10A
- >Various contact forms: 2C) 2 groups of conversion, (4C) 4 groups of conversion
多种接点形式：(2C)2组转换 · (4C)4组转换
- >Built-in mechanism to display relay action status
内置机模指示显示继电器动作状态
- >LED Indicator: Displays coil "on" or "off" status
LED指示灯：显示线圈“接通”或都“断开”状态
- >Rotary button: When the coil is not energized, it is allowed to manually operate the rotary button, which is suitable for debugging personnel to manually test the circuit
旋转按钮：线圈不通电情况下，允许手动操作旋转按钮，适用于调试人员手动测试电路



AM-2C AM-4C



Model code description 型号編碼说明

	AM	2C	5	S	C	M4L	A240
Series 系列: AM							
Contact form 触点形式 2C:DPDT ; 4C:4PDT							
Contact load 触点负载 05 : 5A ; 10 : 10A							
Terminal Type 引出端形式 S : Standard Socket Plug-in 標準型插座插入式 P : Mounted on PCB 印制板式							
Case Type 外殼樣式 C : Standard shell 標準型普通外殼							
Optional Accessory 选配 M: Manual Test Button 手動測試按鈕 (unselected: means no manual test button) (未选 : 表示无手动测试按钮) 4: Rotary Button With Self-locking Function 有自鎖功能的旋轉按鈕 (unselected: means the rotary button without self-locking function) (未选 : 表示无自锁功能的旋转按钮) L: LED Indicator LED指示燈 (Not selected: means no LED indicator) (未选 : 表示无LED指示灯) Note : AC indicator is red ; DC indicator is green) 注 : AC指示灯为红色 DC指示灯为绿色 (更直观区分AC和DC) · 可带保护二极体							
Coil voltage 线圈电压 A : AC 交流 (6-240VAC) ; DC : DC直流 (6-110VDC)							

Product performance 产品性能

Contact form 触点	Model 型式		2C5 / 4C5	2C10 / 4C10
	Load 负载	Resistive 阻性	UL : 5A@28VDC/277VAC	U L: 10A@120VAC
		motor 马达	1/10Hp,120VAC ; 1/10Hp,240VAC	1/3HP @120VAC , 1/2hp@277VAC
	Switching power 切换功率		150W,1385VA	240W,2216VA
	Maximum switching current 最大切换电流		5A	10A
	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		10,000 ops	
	Mechanical life 机械寿命		1000,000 ops	

Closing voltage 吸合电压 (23°C)		DC: ≤75% (rated voltage 额定电压) · AC : ≤80% 50/60HZ (rated voltage 额定电压)
Release voltage 释放电压 (23°C)		DC: ≥10% (rated voltage 额定电压) · AC : ≥30% 50/60HZ (rated voltage 额定电压)
Maximum voltage 最大电压 (23°C)		110% (rated voltage 额定电压)
Insulation resistance 绝缘电阻		500MΩ @500VDC
Coil power 线圈功率	DC(W)	0.9W
Coil power 线圈功率	AC(VA)	1.2VA
Closing response time (rated voltage) 吸合时间(额定电压)		≤20ms
Release time (rated voltage) 释放时间(额定电压)		≤15ms
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	1500VAC,1Min (Leakage current 漏电流1mA)
	Between coil and contact 线圈与触点间	1500VAC,1Min (Leakage current 漏电流1mA)
Environment temperature 环境温度		-25°C ~ +50°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		200m/s ²
Impact strength 耐冲击强度		1000m/s ²
Vibration resistant 耐振动		10Hz ~ 55Hz, Double amplitude 1.0mm
Mount method 安装方式		Socket Plug-in 插座插入式 or PCB type 印制板式
Volume 体积		28mm×21.5mm×36mm
Weight 重量		约37g

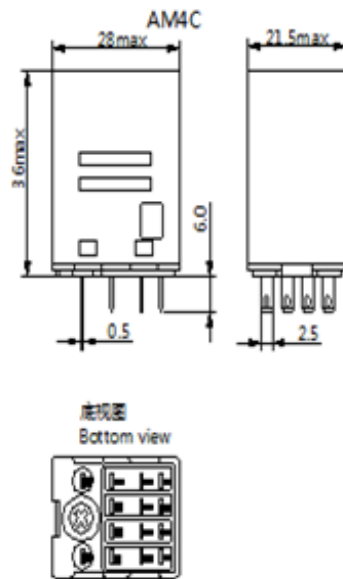
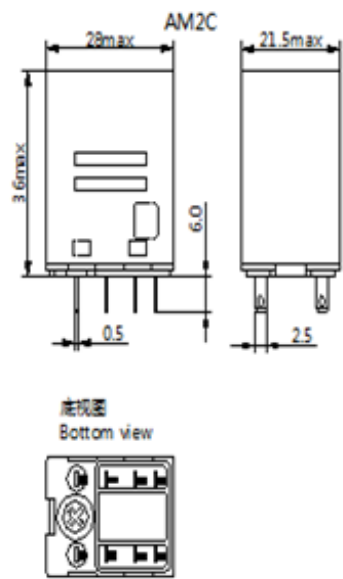
Coil specification table 线圈规格表 (Environment temperature 环境温度+ 23°C)

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	6VDC	≤75%	≥10%	110%	40
	12VDC				160
	24VDC				650
	48VDC				2600
	110VDC				11000
AC	6VAC	≤80%	≥30%		9.5
	12VAC				46
	24VAC				180
	48VAC				770
	110VAC				3830
	120VAC				4430
	220VAC/230VAC				15000
	240VAC				15700

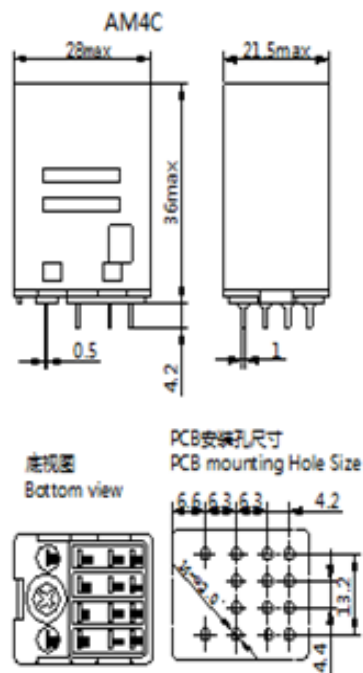
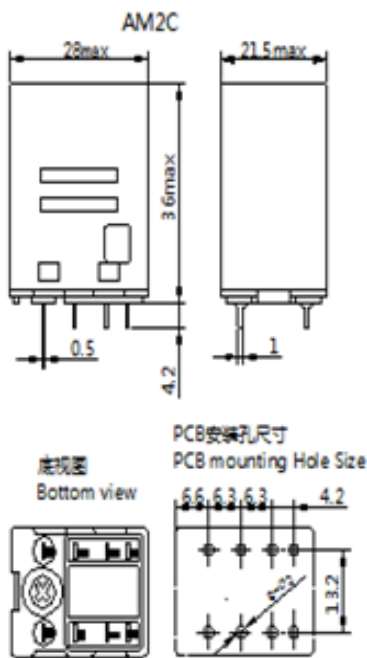
备注：最大电压是指继电器在短时间内能够承受的最大电压值。

Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

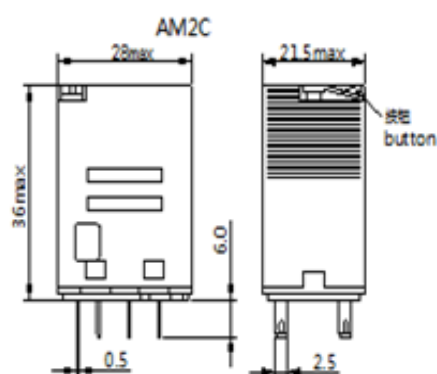
标准型(s)
Standard type



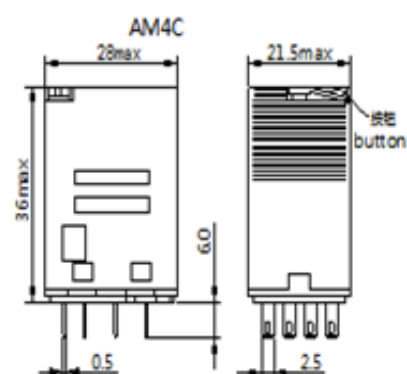
引出端形式:印制电路板式(P)
Terminal form : PCB(P)



有自锁功能的旋转按钮(M4) Lock down rotary button(M4)



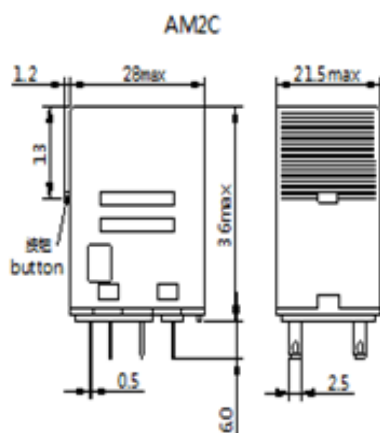
底视图
Bottom view



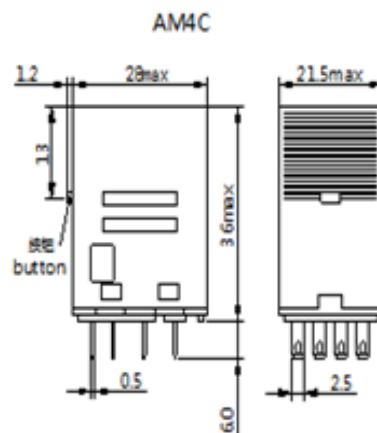
底视图
Bottom view



带手动测试按钮(M) Manual test button(M)



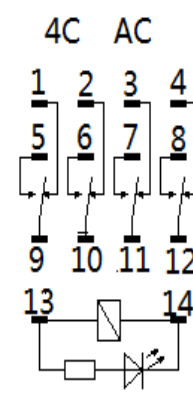
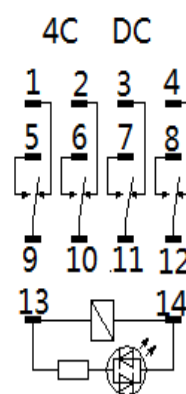
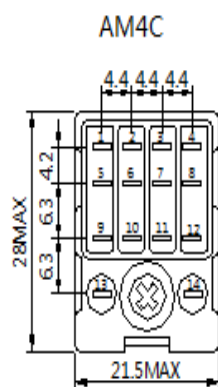
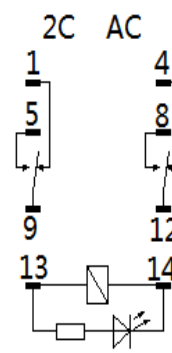
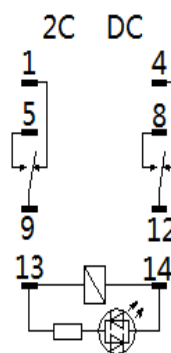
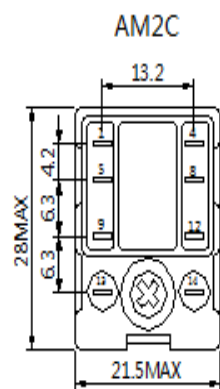
底视图
Bottom view



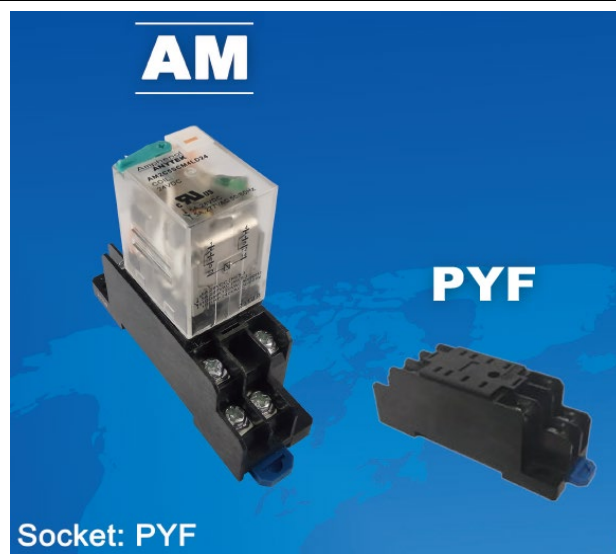
底视图
Bottom view



Bottom Diagram & Wiring Diagram 底部图&接线图



Other optional sockets (see PYF socket description for relevant parameters)
其它可选插座 (相关参数见PYF插座说明)



PYF08A