

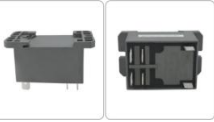


MG RELAY CO.,LTD.  
www.mgrelay.com

MP102

工业继电器  
Industrial relay

MG 茂冠科技  
MAOCROWN TECHNOLOGY



30 YEARS

**特性 Features :**

30A切换大容量 ( 30A switching capacity )

环氧胶密封型 Epoxy sealant

直接安装标准卡轨外壳 Direct mounting of Standard Rail Housing

密封型去除污染物，为触点提供清洁干燥的环境 The sealed type removes contaminants and provides a clean and dry environment for the contacts

可应用于恶劣环境 It can be used in harsh environments

镀金触点型 Gold plated contact type

环保产品 RoHS 和 REACH

**性能参数 Coil parameter**

触点型式 Contact type	二组转换 (2A/2C)	
接触电阻 Contact Resistance	≤50mΩ	
触点材料 Contact Material	AgSnO2 gold flashed 银锡镀金	
阻性负载 Resistive load	NC : 3A@28VDC/277VAC NO : 20A@28VDC/120/277VAC	
马达负载 Motor load	1hp@120VAC 2.5hp@240VAC	
最大切换电压 Max. Switching Voltage	28VDC/277VAC	
最大切换电流 Max. Switching Current	30A	
最大切换功率 Max. Switching Power	560W/5540VA	
绝缘电阻 Insulation resistance	1000MΩ /500VDC	
介质耐压 Dielectric strength	同极触点间 Between open contact	1500VAC,1Min
	异极触点间 Between different pole	2000VAC,1Min
	线圈触点间 Between contact and coil	4000VAC,1Min
动作时间 Operate time	≤25ms	
释放时间 Release time	≤15ms	
冲击稳定性 Stability of shock resistance	98m/s <sup>2</sup>	
冲击强度 Shock strength	980m/s <sup>2</sup>	
环境温度 Ambient temperature	\$-40^{\circ}\text{C} \sim +65^{\circ}\text{C}\$ (AC) \$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}\$ (DC)(无结冰、无结露 No ICE, no dew )	
环境湿度 Ambient Humidity	5%RH ~ 85%RH	
振动 Vibration	10Hz ~ 55Hz, Double amplitude 1.0mm	
机械寿命 Mechanical life	1000,000 ops	

电气寿命 ( 300次/分钟 ) Electrical life ( 300 cycles/min )	10,000 ops
额定线圈功率 Rated coil power	直流 ( DC ) : 1.7W , 交流 ( AC ) : 4VA
重量 Weight	≤90g
体积Volume	68.5mm×34.5mm ×30mm
配套插座或连接器 Matching socket or connector	/
产品应用领域Product application area	工业控制设备、安防控制领域、等 Industrial Control Equipment, security control field, etc.
产品应用场合Applications	自动贩卖机、通信设备、防灾设备、测量仪器、娱乐机器 Vending machines, communication equipment, disaster prevention equipment, measuring instruments, entertainment machines
同行参考Peer Reference	欧姆龙Omron : G7L系列 (G7L series) MAG Schneider : W92系列(W92 series)

### 线圈规格表 Coil Versions (环境温度+ 23℃ The ambient temperature is 23℃)

额定电压 ( V ) Rated oltage		工作电压 ( V ) Operate voltage	释放电压 ( V ) Release voltage	最大电压(V) MAX.voltage	线圈电阻(Ω) Coil sistance
DC	6VDC	≤75%	≥10%	110%	22±10%
	12VDC				86±10%
	24VDC				350±10%
	36VDC				787±10%
	48VDC				1390±10%
	110VDC				7255±10%
AC	6VAC				11.2±10%
	12VAC				60±10%
	24VAC				250±10%
	48VAC				980±10%
	120VAC				3200±10%
	208VAC				9600±10%
	240VAC				13000±10%
	277VAC				17200±10%

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。

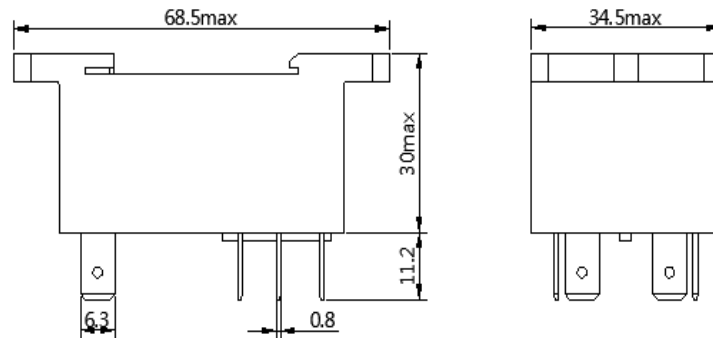
Note: The maximum voltage is the maximum that the relay can withstand in a short period of time.

**订货标记示例 Order mark example**

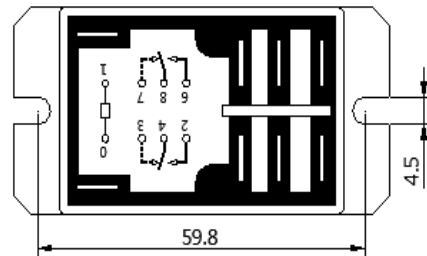
<b>编号说明</b>	<b>MP102</b>	<b>-2C</b>	<b>( )</b>	<b>( )</b>	<b>-120VAC</b>
系列Series MP102					
触点形式Contact form 2C/ 2A					
触点负载Contact rating 空白Blank: ( 30A@250VAC(NO)、3A@250VAC ( NC)					
触点材料Contact Material : 空白Blank:AgSnO2					
额定线圈电压 Rated coil voltage A:AC D:DC					

**外形尺寸图 Dimension drawing**

标准型C1  
(Standard type)



底视图  
Bottom view

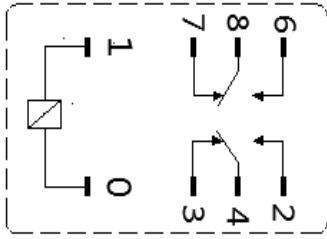


**内部接线图 Wiring diagrams**

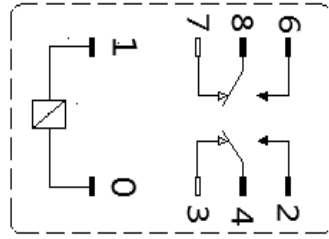
MP101-2C

MP101-2A

直流、交流线圈,  
DC、AC coil  
MP102-2C



直流、交流线圈,  
DC、AC coil  
MP102-2A



注：1，对于DC规格，请在确认线圈级性后正确接线。

For DC specifications, please connect correctly after confirming coil-level performance.

### 注意事项Points to note

#### 关于安装：About installation

无安装方向限制，请尽量避免接点移动方向易受振动、冲击的安装方式

No installation direction limit, please try to avoid contact moving direction susceptible to vibration, impact of the installation

#### 关于继电器的更换：ON REPLACEMENT OF RELAYS:

因维护等原因更换继电器时，为防止继电器的误动作及触电事故，请务必切断负载侧和继电器线圈的电源。

When changing the relay for maintenance and other reasons, please cut off the power supply of the load side and the relay coil in order to prevent misoperation and electric shock of the relay.