

- 16A 触点切换能力
- 低高度，仅为 15.9mm
- 多种触点形式可供选择
- 配有多种插座可供选择
- 外形尺寸 L × W × H: 29 × 12.7 × 15.9mm
- 16A Contact switching capability
- Low height: 15.9mm
- Kinds contact Form available
- Kinds socket available
- Outline dimensions L × W × H: 29 × 12.7 × 15.9mm

MPI - S - 1 12 - C - 1 N F - 01

产品型号 Model	产品结构 Structure	触点组数 Contact Group	线圈电压 Coil Voltage	触点形式 Contact arrangement	结构形式 Contact Form	线圈功耗 Coil power	绝缘等级 Insulation Class	其他 other
	S: 塑封型 无: 防焊剂型 S: Sealed Nil: Flux proofed	1: 1组 2: 2组 1: 1 Group 2: 2 Groups	05, 06, 09 12, 18, 24 48, 60, 72 110VDC	A: 常开 B: 常闭 C: 转换 A: NO B: NC C: NO/NC	1: 1组, 3.5mm 12A 2: 1组, 5.0mm 12A 3: 1组, 5.0mm 16A 4: 2组, 5.0mm 8A 1: 1组, 3.5mm, 12A 2: 1组, 5.0mm, 12A 3: 1组, 5.0mm, 16A 4: 2组, 5.0mm, 8A	无: 0.4W N: 0.53W Nil: 0.4W	F: F级 无: 标准型 B级 F: Class F Nil: Standard Type, Class B	无: 标准型数字或字母: 特殊要求 Nil: Standard numbers or letters: Special requirements

触点参数 Contact Parameters

触点形式 Contact Arrangement	1A, 1B, 1C	2A, 2B, 2C
触点材料 Contact Material	银合金 Silver Alloy	
接触电阻 (初始) Contact Resistance (Initial)	≤100mΩ (1A 6VDC)	
额定负载 (阻性) Rated Load (Res. load)	1C: NO/NC: 16A/8A 250VAC NO/NC: 12A/6A 250VAC 2C: NO/NC: 8A/4A 250VAC	
最大切换电流 Max. Switching Current	12A/16A	8A
最大切换电压 Max. Switching Voltage	250VAC/30VDC	
最大切换功率 Max. Switching Power	3000VA/4000VA	2000VA
电气寿命 Electrical Life	1 × 10 ⁵ 次 OPS	
机械寿命 Mechanical Life	1 × 10 ⁶ 次 OPS	

性能参数 Characteristics

绝缘电阻 Insulation Resistance	1000MΩ (500VDC)	
介电耐压 Dielectric Strength	触点与线圈间 Between Coil & Contacts: 5000VAC 1min 断开触点间 Between Open Contacts: 1000VAC 1min 触点组件间 Between Contact Groups: 2500VAC 1min	
动作时间 Operate Time	≤15ms	
释放时间 Release Time	≤8ms	
环境温度 Ambient Temperature	-40℃ ~+105℃	
振动 Vibration	10Hz~55Hz 1.5mm 双振幅 (DA)	
冲击 Shock	稳定性 Functional	98m/s ² (10G)
	强度 Destructive	980m/s ² (100G)
引出端方式 Terminal Form	印制板式 PCB	
封装形式 Construction	塑封型 Sealed, 防焊剂型 Flux proofed	
重量 Unit Weight	约 Approx. 13.5g	

线圈规格表 Coil Data(23℃)

标准型 Standard Type					
额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	最大允许电压 Max. Allowable voltage VDC	线圈电阻 Coil Resistance $\Omega \pm 10\%$	线圈功耗 Coil Power W
5	≤3.75	≥0.25	7.5	62	约 Approx. 0.4
6	≤4.5	≥0.3	9	90	
9	≤6.75	≥0.45	13.5	202	
12	≤9.0	≥0.6	18	360	
18	≤13.5	≥0.9	24	810	
24	≤18	≥1.2	36	1440	
48	≤36	≥2.4	72	5760	
60	≤45	≥3	90	9000	
72	≤54	≥3.6	108	12960	
110	≤82.5	≥5.5	165	30250	

高功耗型 High Coil Power Type					
额定电压 Rated Voltage VDC	动作电压 Operate Voltage VDC	释放电压 Release Voltage VDC	最大允许电压 Max. Allowable voltage VDC	线圈电阻 Coil Resistance $\Omega \pm 10\%$	线圈功耗 Coil Power W
5	≤3.75	≥0.25	7.5	47	约 Approx. 0.53
6	≤4.5	≥0.3	9	68	
9	≤6.75	≥0.45	13.5	153	
12	≤9.0	≥0.6	18	153	
18	≤13.5	≥0.9	24	611	
24	≤18	≥1.2	36	1086	
48	≤36	≥2.4	72	4347	
60	≤45	≥3	90	6792	
72	≤54	≥3.6	108	9600	
110	≤82.5	≥5.5	165	22830	

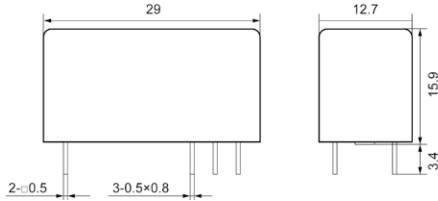
安全认证 Approvals

安全认证 Approvals	UL	TUV	CQC
证书编号 Certificate Number	E358149	R50302776	CQC15002122984
负载 Rating	8A 250VAC 16A 250VAC 4A 277VAC	8A 250VAC 16A 250VAC 12A 250VAC	8A 250VAC 16A 250VAC 12A 277VAC

外形尺寸 Outline Dimensions

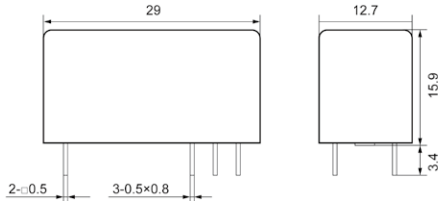
单位 Unit: mm

MPI-□-□□□-□-1□□



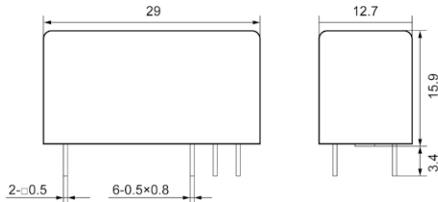
3.5mm 引出脚间距
3.5mm Pinning

MPI-□-□□□-□-2□□



5.0mm 引出脚间距
5.0mm Pinning

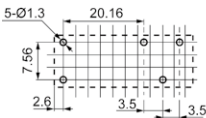
MPI-□-□□□-□-3/4□□



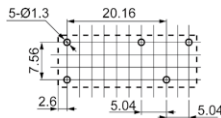
5mm 引出脚间距
5mm Pinning

安装孔尺寸 (底视图) PCB Layout (Bottom View)

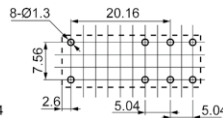
单位 Unit: mm



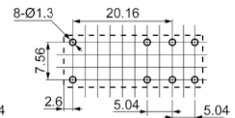
3.5mm 1 Pole 12A



5mm 1 Pole 12A

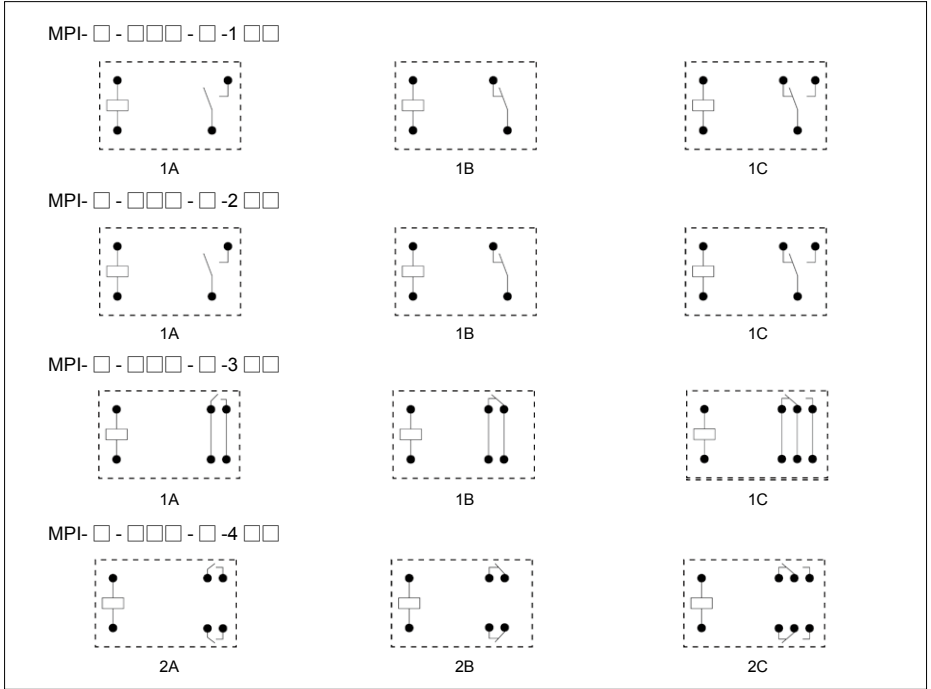


5mm 1 Pole 16A



5mm 2 Pole 8A

接线图 (底视图) Wiring Diagram (Bottom View)



备注: (1) 产品部分外形尺寸未注尺寸公差, 当外形尺寸 $\leq 1\text{mm}$, 公差为 $\pm 0.2\text{mm}$;
 当外形尺寸在 $1\text{--}5\text{mm}$ 之间时, 公差为 $\pm 0.3\text{mm}$; 当外形尺寸 $> 5\text{mm}$ 时, 公差为 $\pm 0.4\text{mm}$;
 (2) 安装孔尺寸中未注尺寸公差均为 $\pm 0.1\text{mm}$ 。

REMARK:

- (1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$;
- (2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.

性能曲线图 Performance Curve

