

MINIATURE POWER LATCH RELAY

HC-8A



▶ Contact data 触点参数

Contact form	2A, 2B, 1A1B
Contact resistance	Max.50m Ω
Contact rating Cos Φ=0.4,250VA	8A/250VAC
Max.Switching current	8A
Contact material	Silver alloy
Weight	18g

▶ Characteristics 性能参数

Insulation resistance	Min.1000MΩ at 500VDC
Dielectric strength	3750VAC,between coil and cotacts 1200VAC,between Open contacts 2000VAC,between contact sets
Operate time	Max.15 ms
Release time	Max.10 ms
Vibration resstance	10-55Hz 1.5mm DA
Shock resistance	100m/s ²
Ambient humidity	(95±3)% at 40°C
Ambient temperature	-40°C to +60°C
Life expectancy -Electrical -Mechanical	1×10 ⁶ operations 1×10 ⁷ operations

▶ Coil data 线圈参数

1. Single Side Stable (1 coil) 单线圈单稳态继电器

Normal voltage(VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Normal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption (mW)
1.5	1.2	0.15	160	9.4	240
3	2.4	0.3	80	38	240
5	4	0.5	48	105	240
6	4.8	0.6	40	150	240
9	7.2	0.9	26.6	360	240
12	9.6	1.2	20	600	240
24	19.2	2.4	10	2400±15%	240
48	38.4	4.8	5	9000±15%	240
72	57.6	7.2	3.3	21600±15%	240
100	80	10	2.4	34000±15%	240

◆ Features

- Contact rating:8A/250VAC
- Contact form:2A,2B,1A1B
- Latching types available
- Dimension:31*14*11mm(L*W*H)
- UL approval
- ROHS compliance

◆ 产品特征

- 触点负载：8A/250VAC
- 触点形式：2A,2B,1A1B
- 可提供磁保持型
- 产品尺寸：31*14*11mm (长*宽*高)
- UL认证
- 产品符合ROHS要求

◆ Applications

- Lighting control systems
- Movement sensors (e.g. passive infrared sensors)
- Home automation applications (bus systems remote switching)
- Electronic switches for fixed installations
- Relay protection of electric power system

◆ 应用领域

- 照明控制系统
- 运动传感器 (例如无源红外传感器)
- 家庭自动化应用 (总线系统 遥控开关)
- 固定安装电子开关
- 电力继电保护

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▶ Coil data 线圈参数

2.Single Side Stable (2 coil) 双线圈单稳态继电器

Norminal voltage(VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Norminal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption (mW)
1.5	1.2	0.15	320	4.7	480
3	2.4	0.3	160	19	480
5	4	0.5	96	53	480
6	4.8	0.6	80	75	480
9	7.2	0.9	53.3	180	480
12	9.6	1.2	40	300	480
24	19.2	2.4	20	1200±15%	480
48	38.4	4.8	10	4500±15%	480
72	57.6	7.2	6.66	10800±15%	480
100	80	10	4.8	17000±15%	480

3.Latching (1coil & 2 coil) 单(双) 线圈双稳态磁保持继电器

Norminal voltage(VDC)	Set voltage VDC(Max.)	Reset voltage VDC(Max.)	Norminal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption (mW)
1.5	1.2	1.2	160	10	240
3	2.4	2.4	80	40	240
5	4	4	48	110	240
6	4.8	4.8	40	155	240
9	7.2	7.2	26.6	360	240
12	9.6	9.6	20	640	240
24	19.2	19.2	10	2400±15%	240
48	38.4	38.4	5	10200±15%	240

▶ Ordering information 订货标记

HC-8A **L2** **05** **1a1b**

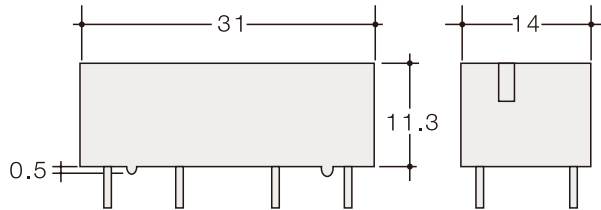
Model NO .	Sort	Coil Voltage	Contact Form
HC-8A	Nil: 1 Coil Single Side Stable 2:2 Coil Single Side Stable L1:1 coil latch L2:2 coil latch	1.5VDC-100VDC	1a1b:1A1B 2a:2A 2a:2B

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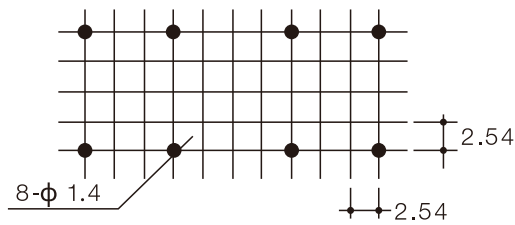
HC-8A



▶ Dimensions (unit:mm) 外型尺寸、接线、安装孔位图 (单位:mm)



▶ PCB layout 线路板布置图



▶ Schematic 底视电路图

