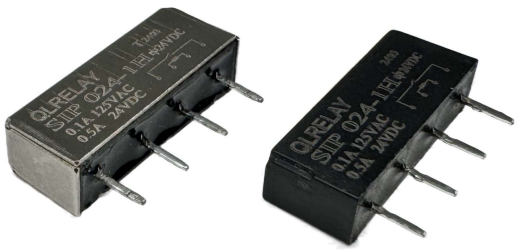
QLRELAY®

www.qlrelay.com

REED RELAHY 干簧管继电器 — SIP

FEATURES特点

- Small size,light weight,Low coil power consumption.
  体积小,重量轻,线圈功耗低.
- Strong anti-shock and anti-vibration,
  high reliablility,long life.
  抗冲击及抗震性强,可靠性高,寿命长.
- PC board mounting
  可直接焊接在印刷线路板中
- High sensivity.
  高灵敏度



CONTACT PARAMETERS触点参数

Contact Form触点形式	1H -1组常开 1D-1组常闭
Rating Load(Resistive)额定负载（阻性）	0.1A/125VAC 0.5A/24VDC
Max. Switching Current最大切换电流	0.5A
Max.Switching Voltage最大切换电压	220VAC
Max.Switching Power最大切换功率	12VA/10W

CHARACTERISTICS性能参数

Contact Materials触点材料	Ru/Rh	
Contact Resistance接触电阻	50mΩ Max (at 1A 16VDC)	
Operate Time吸合时间	0.55ms Max	
Release Time释放时间	0.2ms. Max	
Insulation Resistance绝缘电阻	100MΩ Min.(DC500V)	
Initial Dielectric Strength介质耐压	between open contacts: 触点与触点间：	AC200VAC, 50/60HZ 1Min
	between contacts and coil: 触点与线圈间：	AC1200VAC, 50/60HZ 1Min
Vibration Resistance抗振动	Damage limits: 耐久：	10～55Hz Double Amplitude双振幅1.5mm
	Malfunction: 误动作：	10～55Hz Double Amplitude双振幅1.5mm
Shock Resistance抗冲击	Damage limits: 耐久：	100G Min
	Malfunction: 误动作：	20G Min
Life寿命	Mechanical Life (10800 per hour) 机械寿命（每小时10800次）	1×10^7
	Electrical Life 电气寿命 (阻性负载 Resistive Load)	5×10^5 （ON:OFF 1S:9S 23℃）
Ambient Temperature环境温度	−40℃～+85℃ （No condensation） （不冷凝）	
Unit Weight单位重量	约Approx.1.5g	

COIL RATINGS (at23°C) 线圈参数 （在23°C)

线圈电压 Coil voltage (VDC) 额定 Rated	最大 Max	线圈电阻 Coil Resistance Ω ±10%	吸合电压 VDC(最大) Pick up Voltage VDC(Max) (额定电压的 75%) (75% of rated voltage)	释放电压 VDC Release voltage VDC(Min) (额定电压的 5%) (5% of rated voltage)	线圈功耗 Coil power consumption (W)	动作时间 Operate Time (mS)	释放时间 Release Time (mS)
3	3.90	250	2.25	0.3	0.036	≤0.55	≤0.2
5	6.50	500	3.75	0.5	0.050		
12	15.6	1000	9.00	1.2	0.144		
24	31.2	2000	18.0	2.4	0.288		

上述值为初始值，请勿在产品上连续施加最大电压>10min, 以免线圈过度发热。
The data shown above are initial values. Do not apple maximum allowable voltage on coil for more than 10 minutes to avoid overheating of thd coil.

ORDERING INFORMATION订货标记

SIP 005 - 1H 1 P
1 2 3 4 5

1.Model Number基本型号 SIP

2.Coil Voltage线圈规格 （VDC)：
DC3V,DC5V,DC12V, DC24V

3.Contact form: 1H-1FormA 1D-1Form B
触点形式：1H-1组常开 1D-1组常闭

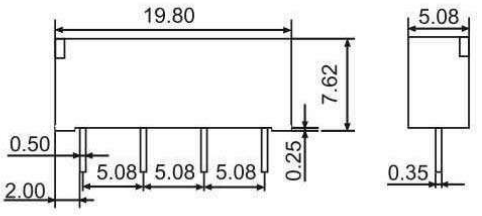
4.Coil transient suppression: 1 - with diode; Standard
线圈瞬态抑制: 1 - 带阻尼二极管 NIL- 标准式

5.Shield : Nil - Unshielded
P - Metal shell with shielding
屏蔽： 无 – 非屏蔽
P – 带屏蔽的金属外壳

OUTLINE DIMENSIONS (UNIT:mm)外形尺寸 （单位：mm）

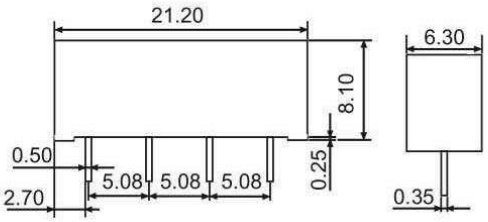
外形尺寸图 Dimensions

普通外壳 standard casing



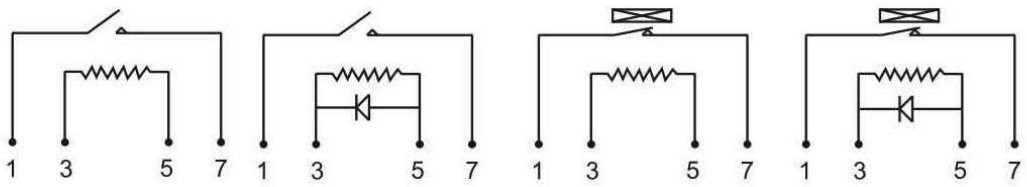
1H / 1D

金属外壳 Metal casing



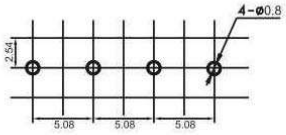
1H1 / 1D1

安装尺寸图（底视图）
Mounting (Bottom view)



1H 1H1 1D 1D1

接线图（底视图）
Wiring diagram (Bottom view)



Dimension Tolerance:
< 1mm: ± 0.2mm
1--5mm: ± 0.3mm
> 5mm: ± 0.5mm