

# SCH-T90

## 大功率继电器

- 30A触点切换能力 30A rating switching capability
- 塑封型和防焊剂型可供选择 Flux proof or sealed type available
- UL F级绝缘等级 UL insulation system: Class F available
- 耐冲击电压6KVAC 6KV impulse withstand voltage
- 触点间间隔2.0mm, 耐压高达AC4000V



when the Contact gap is 2.0mm, 10KV withstand voltage (between contact and contacts).

### ■ 用途举例 Application Examples

RoHS

- 家电设备 household appliances
- 太阳能变频器 Solar Inverter

### ■ 型号命名标准 Product Code Structure

	SCH - T90	-12	1A	S	T
基本型号 Type	SCH - T90				
触点结构 Contact form	1C- FORM 1C , 1A - FORM 1A , 1B - FORM 1B				
线圈额定电压 Coil voltage	05 , 06 , 09 , 12 , 24 , 36 , 48				
封装形式 Category of protection	V - 非密封型, S - 密封型				
特殊标记 Suffix	无 - 标准型 Standard , T - 触点间耐压 Between contact and contact AC4,000V ,				

## 线圈参数 Coil Data(DC)

额定电压 Rated voltage (V)	额定电流 Rated current (mA)	线圈电阻 Coil resistance (Ω)	吸合电压 Operate voltage	释放电压 Release voltage	最大允许电压 Max release voltage	额定功耗 Rated coil power
额定电压的 % of rated voltage						
5	185	27	75% Max	5% Min	130%	Approx. 900mW
6	150	40				
9	93	97				
12	75	160				
18	50	360				
24	36	660				
36	25	1440				
48	19	2480				

## 触点参数 Contact Data

	1A	1B	1C
接点材料 Contact material	Ag合金 Ag Alloy		
额定负载 Contact rating	AC250V30A	AC250V30A	AC250 30A(NO)/20A(NC)
最大通电流 Max.Switching Current	30A		
最大开关电压 Max.Switching voltage	AC250VDC30V		
最大开关功率 Max.Switching power	7200VA 560W		

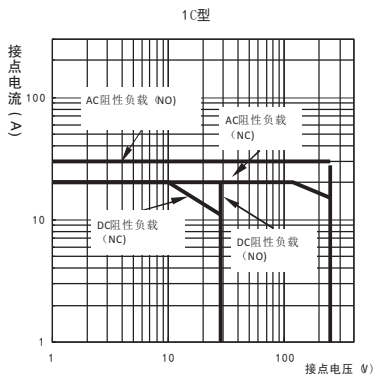
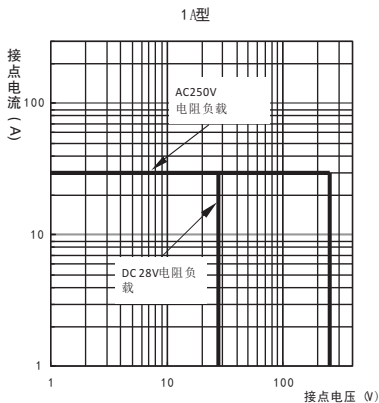
## 性能参数 Characteristics

接触电阻 Contact resistance	100mΩ MAX
吸合时间 Operate time	15ms以下
释放时间 Release time	10ms以下
绝缘电阻 Insulation resistance	100MΩ以上(DC500V)
介质耐压	线圈触点间 Between contact and coil AC2500V1mA 50/60Hz 1min ("T": AC4,000V)
Initial dielectric strength	开路触点间 Between open contacts AC1,500V1mA50/60Hz 1min
脉冲耐电压	线圈与接点间 6,000V(1.2/50μs)
振动 Vibration resistance	10~55~10Hz 2小时
冲击 Shock resistance	稳定性 Functional 1,000m (约100G) 强度 Destructive 100m/s <sup>2</sup> (约10G)
机械寿命 Mechanical endurance,	1x10 <sup>7</sup> ops (at 18,000 ops /h )
电气寿命 Electrical endurance	1A 30A 240VAC 5x10 <sup>4</sup> ops ( at 360 ops /h ) 1B 30A 240VAC 5x10 <sup>4</sup> ops ( at 360 ops /h ) 1C NO:30A 240 VAC 1x10 <sup>5</sup> ops ( at 360 ops /h ) 1C NC:20A 240 VAC 1x10 <sup>5</sup> ops ( at 360 ops /h )
温度范围 Ambient operating temperature	-55~+105℃
湿度范围 Ambient operating humidity	5-85%RH
重量 Weight	Approx..24~31g

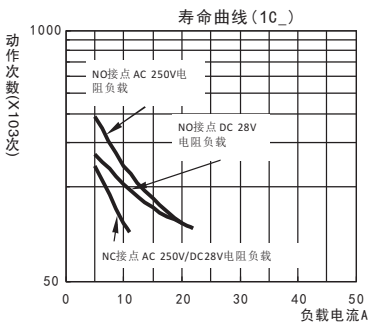
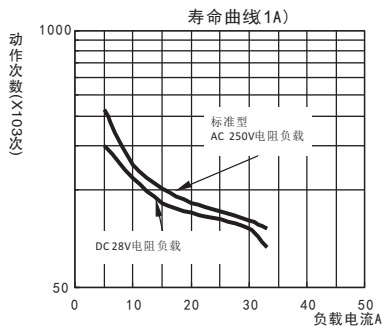
注：上述值均为初始值Note .The data shown above are initial values

## 性能曲线 Engineering Data

开关容量最大值

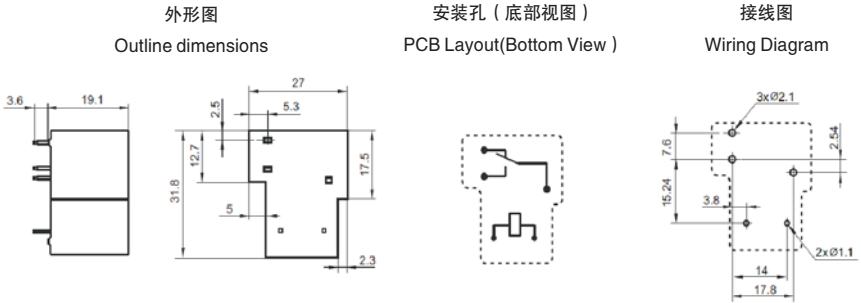


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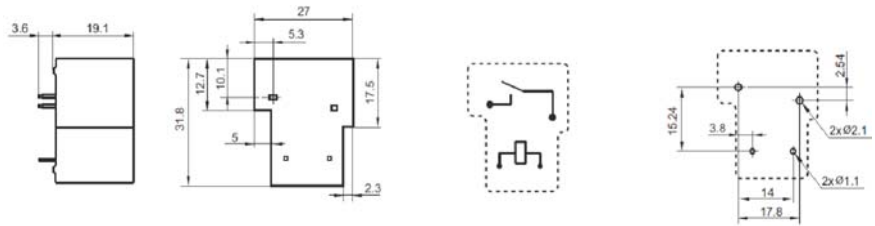


**外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram** (mm)

## 1) 一组转换型 (1C):



## 2) 一组常开型 (1A)



未注尺寸公差 dimension tolerance

&lt;1mm: +0.2 mm, 1~5 mm: 0 .3mm, &gt;5mm: 0 .4mm

注: 安装孔尺寸中未注尺寸公差为+0.1 mm Note . dimension tolerance of the mounting hole +0.1 mm

**使用注意事项 Precautions**

- 一般的注意事项请参考“印刷基板用继电器共通注意事项”。
- Please refer to “PCB Relays Common Precautions” for correct use.