

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

基本型号 Type	SCH - T90	-12	1A	S	T
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)
最大通电电流 Max.Switching Current	30A		30A(NO)/20A(NC)
最大开关电压 Max.Switching voltage	AC250VDC30V		
最大开关功率 Max.Switching power	7200VA 560W		

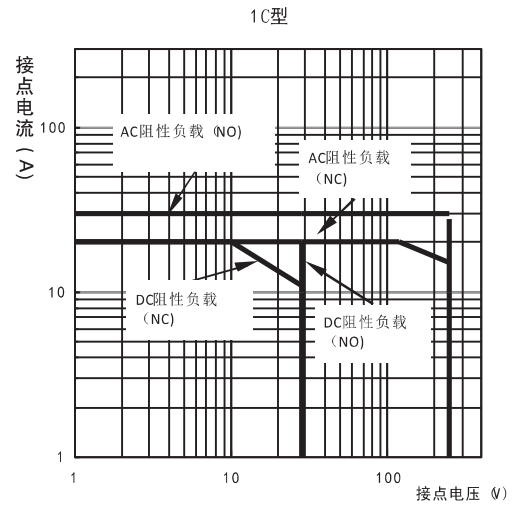
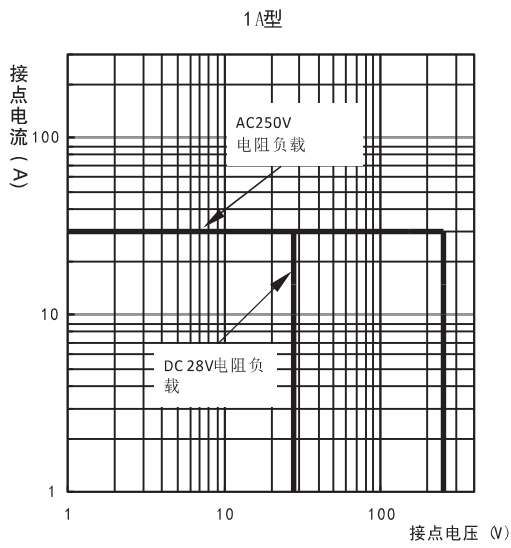
性能参数 Characteristics

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)	
介电耐压 Initial dielectric strength	线圈触点间 Between contact and coil	AC2500V1mA 50/60Hz 1min ("T": AC4,000V)
	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 ² (约10G)
机械寿命 Mechanical endurance,	1x10 ⁷ ops (at 18,000 ops /h)	
电气寿命 Electrical endurance	1A 30A 240VAC	5x10 ⁴ ops (at 360 ops /h)
	1B 30A 240VAC	5x10 ⁴ ops (at 360 ops /h)
	1C NO:30A 240 VAC	1x10 ⁴ ops (at 360 ops /h)
	1C NC:20A 240 VAC	1x10 ⁵ ops (at 360 ops /h)
温度范围 Ambient operating temperature	-55~+105°C	
湿度范围 Ambient operating humidity	5-85%RH	
重量 Weight	Approx..24~31g	

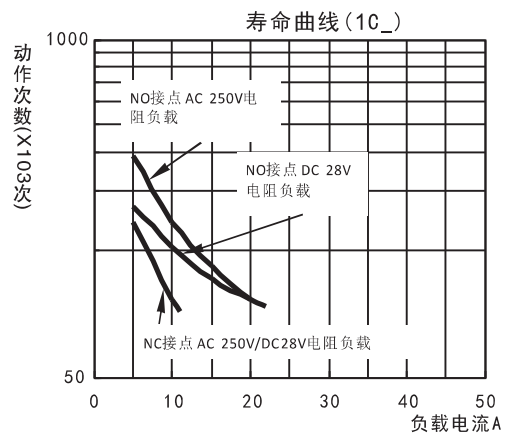
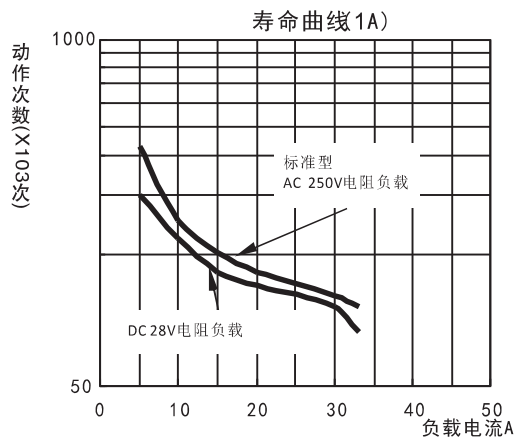
注：上述值均为初始值Note .The data shown above are initial values

性能曲线 Engineering Data

开关容量最大值

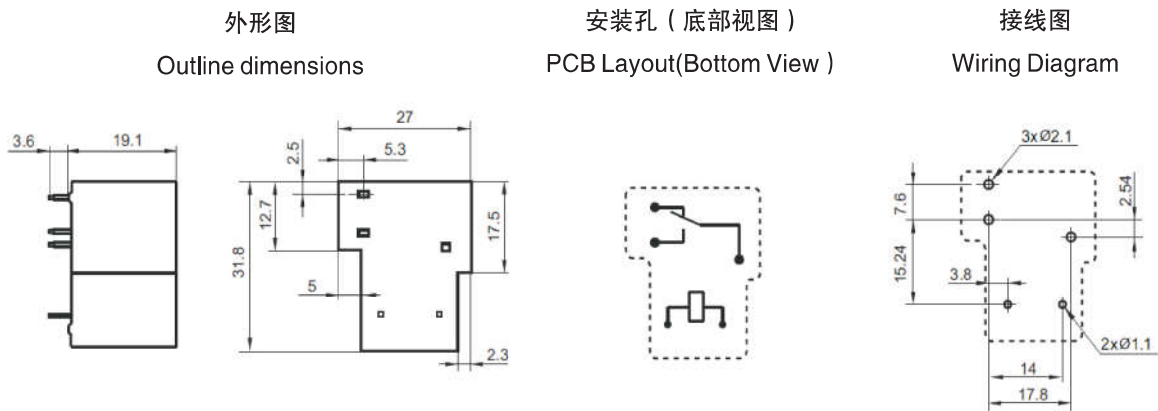


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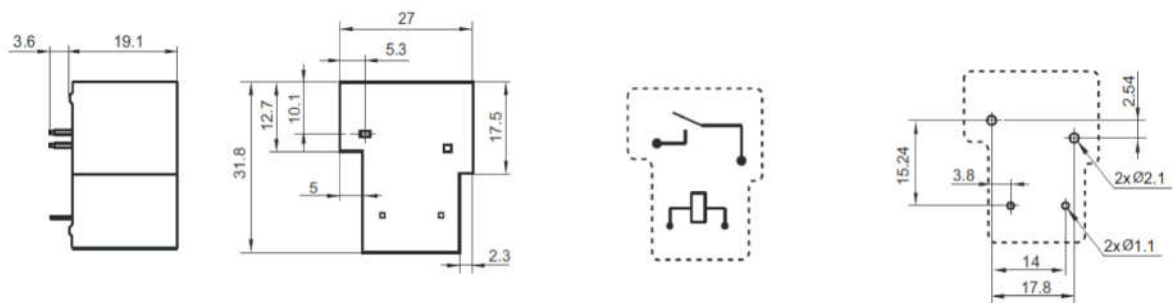


■ 外形图、接线图、安装孔尺寸 Outline dimensions、PCB Layout、Wiring Diagram (mm)

1) 一组转换型 (1C) :



2) 一组常开型 (1A)



未注尺寸公差 dimension tolerance

<1mm: +0.2 mm, 1~5 mm: ±0.3mm, >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.